* Here's a summary of the internship report in bullet points:

## **Company Overview**

* PV Clean Mobility Technologies Pvt. Ltd. is an innovative company focused on clean and sustainable mobility solutions.
* The organization designs, develops, and manufactures components for electric vehicles (EVs), including battery systems, control units, and sensors.
* Their mission is to promote green technology by introducing advanced and reliable components that support the electrification of mobility.

## **Objectives of Internship**

* Gain hands-on experience in sensor design and prototyping.
* Understand the working and integration of Hall Effect ICs in fuel sensing applications.
* Assist in the testing and development of 3D printed prototypes using FDM.
* Document findings and prepare technical reports for R&D purposes.

## **Hall Effect IC-Based Fuel Level Sensor**

* Researched and developed a prototype fuel level sensor utilizing Hall Effect ICs.
* Designed a sensor that works in harsh environments and provides accurate readings of fuel levels without direct contact.
* Conducted tests