

EV Overnight Hackathon

TEAM : Electro

Group Members:

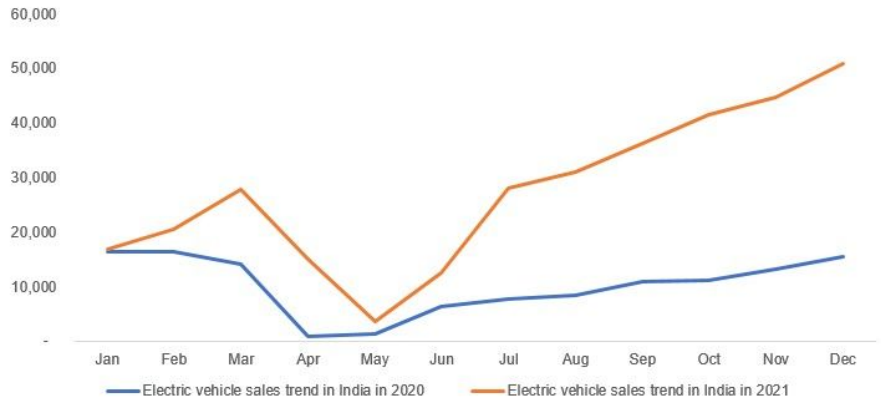
Harshit Garg

Ashwin Sheoran

Eshang Shah

EV Industry in India

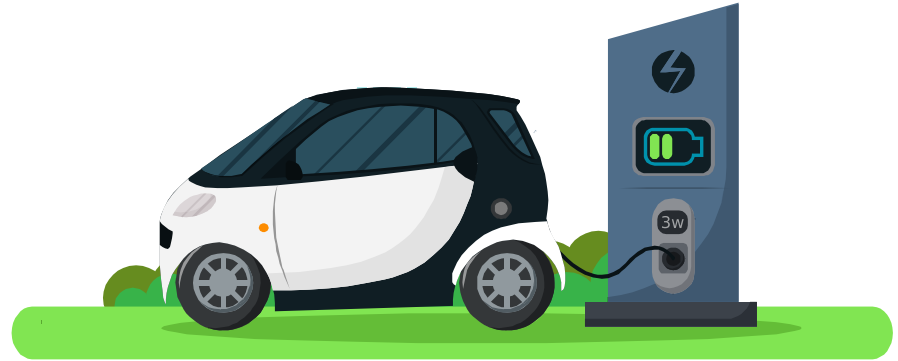
- The Electronic vehicle industry in India is Booming, this can be seen by the sales trend comparison of 2020 and 2021.
- People have become aware of the benefits that come with the electric vehicles , which include
 - Lower running costs
 - Low maintenance costs
 - Zero Tailpipe Emission
 - Tax and Financial benefits
 - Little to no Petrol and Diesel use
 - Easy driving
 - No Noise pollution



[Image Source](#)

Problem faced by the EV Industry in India

- One of the biggest problem faced by the EV automobile Industries in India is the availability of charging stations
- People can only charge their EV at their homes or at specific charging points.
- Charging points are day to day increased but still less in number as compared to the rising numbers of EV in the countries.
- People will be completely helpless if the battery of their goes down in the middle of nowhere.
- Petrol and Diesel can still be stored but storage of extra EV batteries and charger won't be plausible.

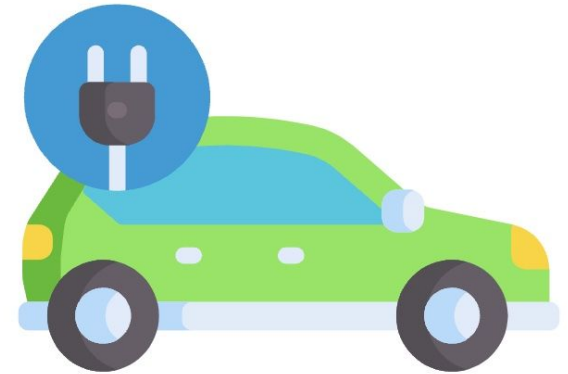


[Image Source](#)

Solution to this problem

This Solution to the problem that the customers will face when their EV Battery will be drained is -

- Each Customer will have their Phone Number linked with their EV and the Company
- In case their battery drains out of nowhere, they could call the Helpline number provided by the company.
- The customer will verify his/her identity through OTP or by vehicles Reg.No or by others means as suitable.
- The Customer will share the current location of vehicles.
- The Company will immediately send their assistants with EV batteries and charging (Portable EV charging set-up)
- Upon reaching the EV, they will charge the EV just enough for the nearest charging station. (All this will be better than towing!)
- The customer will be charged for this service.
- Also the identity of customer would also be verified prior to sending assistance to prevent false calls.



[Image Source](#)

We believe that our solution will be able to help the Customers and will definitely remove the fear of complete drainage of their EV in the middle of nowhere.

We would be really happy if something like this will be implemented in our country.

We count on the fact that if this is executed then the EV industry in our country will by definitely rise exponentially

Thank You