Smart Internz

Project Report Template

1. INTRODUCTION

1.1. Overview

A vehicle that can be powered by an electric motor that draws electricity from a battery and is capable of being charged from an external source and have an electric motor instead of an internal combustion engine.

The Electric Vehicle (EV) is not new, but it has been receiving significantly more attention in recent years. Advances in both EV analytics and battery technologies have led to increased automotive market share. However, this growth is not attributed to hardware alone. The modern mechatronic vehicle marries electrical storage and propulsion systems with electronic sensors, controls, and actuators, integrated closely with software, secure data transfer, and data analysis, to form a comprehensive transportation solution. Advances in all these areas have contributed to the overall rise of EV's, but the common thread that runs through all these elements is data analytics.

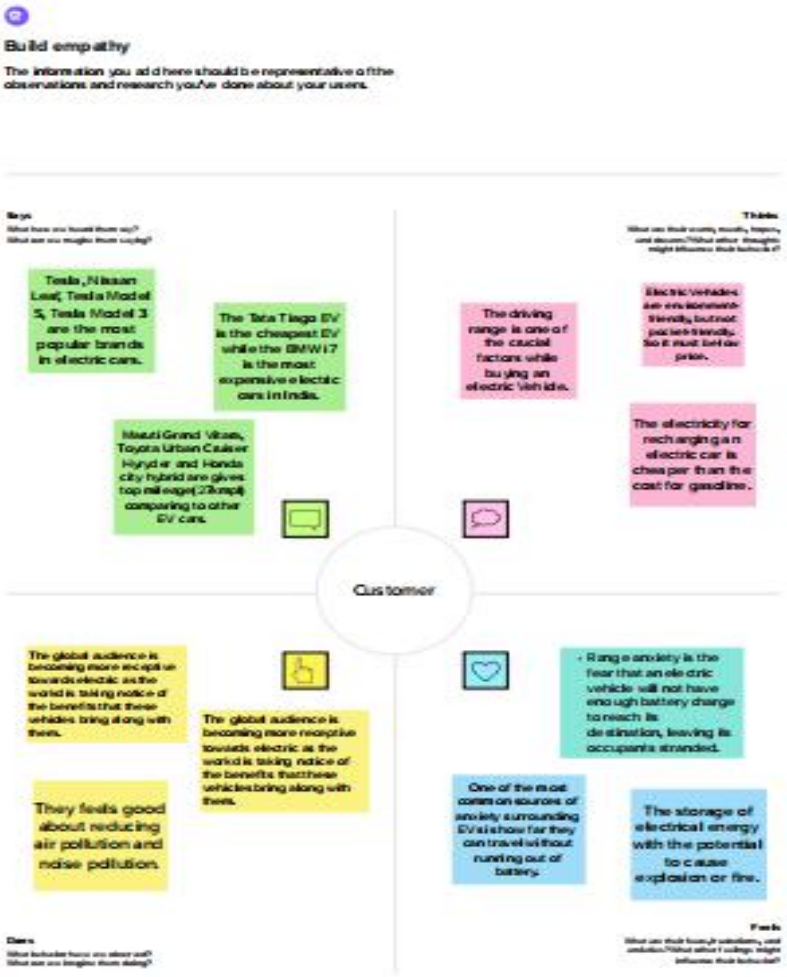
The new EV's are combined Electrical storage and propulsion systems with electronic sensors, controls, and actuators, integrated closely with software, secure data transfer to form a comprehensive transportation solution.

1.2 Purpose

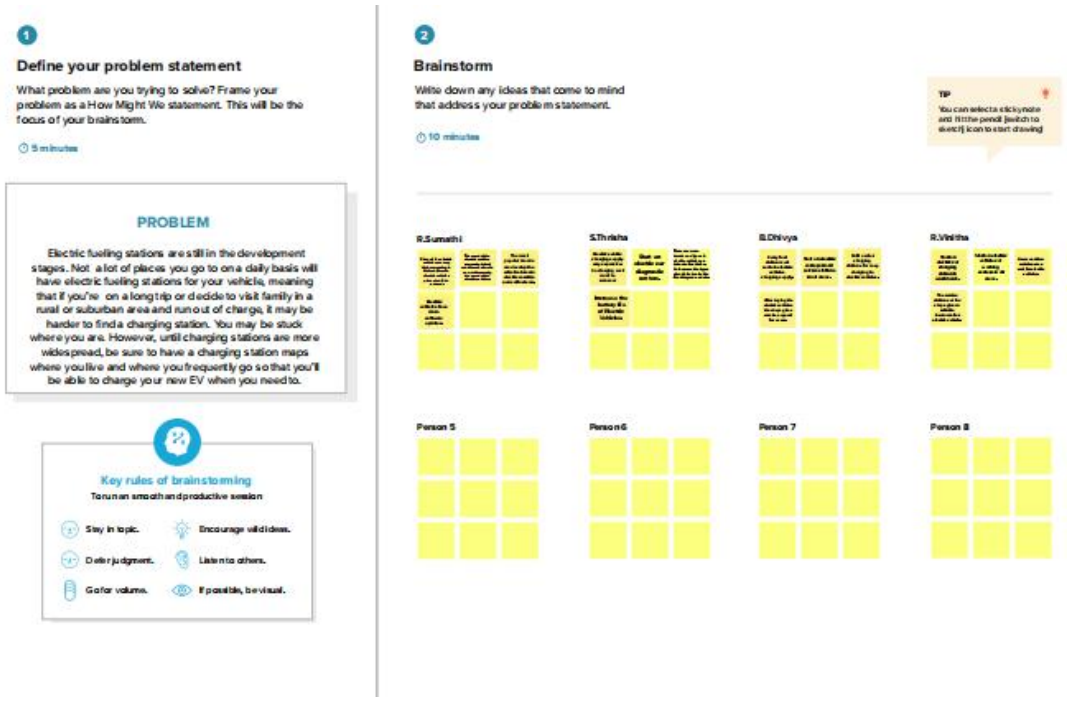
The main purpose of this project is to create an awareness about Electric Vehicles to the users. And each electric car on the road helps in reducing the harmful air pollution for the younger generations to come. And also electric vehicles causes to reduce the usage of natural resource.

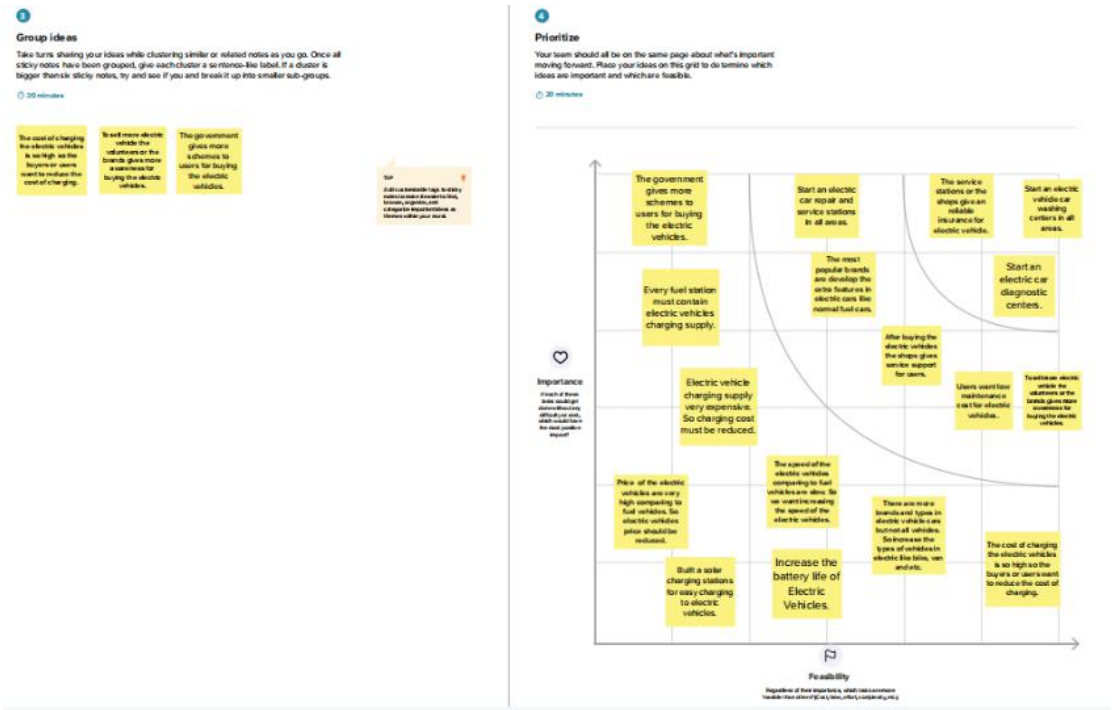
2. Problem Definition &Design Thinking

2.1 Empathy Map



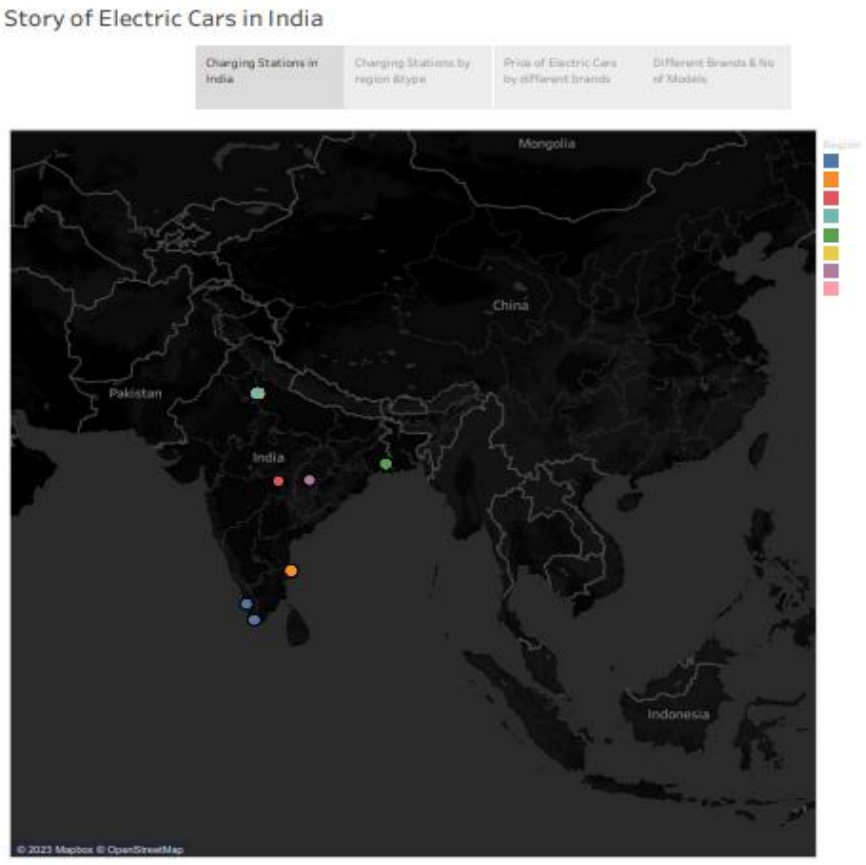
2.2 Ideation & Brainstorming Map



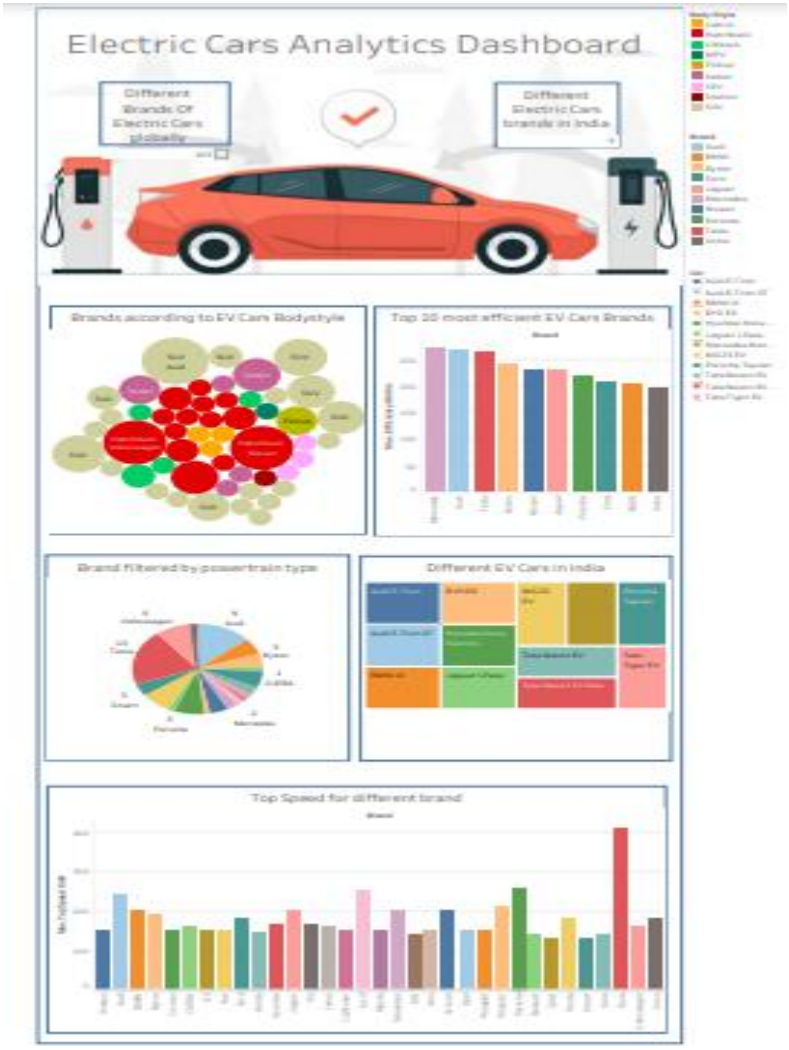


3. **RESULT**

Story:



Dashboard:



Final Output Of Web Application:

index.html

C: > Users > dy > Desktop > FlexStart > index.html > ...

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>Electric Cars Analytics</title>
  <meta content="" name="description">

  <meta content="" name="keywords">

  <!-- Favicons -->
  <link href="assets/img/favicon.png" rel="icon">
  <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">

  <!-- Google Fonts -->
  <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Nunito:300,300i,400,400i,600,600i,700,700i|Po

  <!-- Vendor CSS Files -->
  <link href="assets/vendor/aos/aos.css" rel="stylesheet">
  <link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
  <link href="assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
  <link href="assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
  <link href="assets/vendor/remixicon/remixicon.css" rel="stylesheet">
  <link href="assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

  <!-- Template Main CSS File -->
  <link href="assets/css/style.css" rel="stylesheet">

  <!-- =======================================================
```

4.ADVANTAGES & DISADVANTAGES

Advantages:

- Electric vehicles do not utilize fuel for combustion, there are no emissions or gas exhaust.
- Driving an electric car is significantly smoother. Because they lack fast-moving elements, they are quieter and produce less noise.
- Electric vehicles run on renewable power, whereas conventional automobiles function on the combustion of fossil fuels, which reduces the world's fossil-fuel stocks.

Disadvantages:

- Limited Battery Range. The average petrol car can easily do four or five hundred miles on a tank of petrol.
- Electric battery production can adversely impact the environment, such as a loss of biodiversity, air pollution and decreased freshwater supply.
- Electric Vehicles battery recycling methods are still in their early stages, but they are not specially designed to be recycled.

5. APPLICATIONS

Instead of utilizing fossil fuels like petrol or diesel to charge their batteries, electric vehicles use Electricity. Due to their greater efficiency and the lower cost of power, setting up an electric car is more affordable the purchasing fuel or diesel for your travel.

6. CONCLUSION

In conclusion, Electric cars have both advantages and disadvantages. They are a great way to minimize environmental pollution but also have certain disadvantages. We all know that nothing is perfect or adequate. Thus, in this project, we made you aware of these things. This project may be helpful when considering choosing an electric vehicles.

7. FUTURE SCOPE

Electric car manufacturing is getting increasingly popular, and its market share is likely to grow significantly. By 2023, India's GDP is predicted to increase by a staggering 25%.

The best aspect is that, in addition to decreasing pollution, Electric vehicles can reduce oil imports by $60 billion by 2030. Currently, imports account for 82% of India's oil requirement.