



Gap Analysis of Electric Vehicles

Current EV Market Overview

Growing Market Share

The EV market is experiencing significant growth, with increasing sales and investment.

Technological Advancements

EV technology is constantly improving, with advancements in battery range, charging speed, and performance.

Government Incentives

Governments are providing incentives, such as tax credits and subsidies, to encourage EV adoption.



Identifying Gaps in EV Technology

1 Battery Range

Current EV battery ranges are often insufficient for long-distance travel, particularly in rural areas.

2 Charging Infrastructure

Limited charging infrastructure is a major obstacle, especially in areas with limited access to electricity.

3 Battery Cost

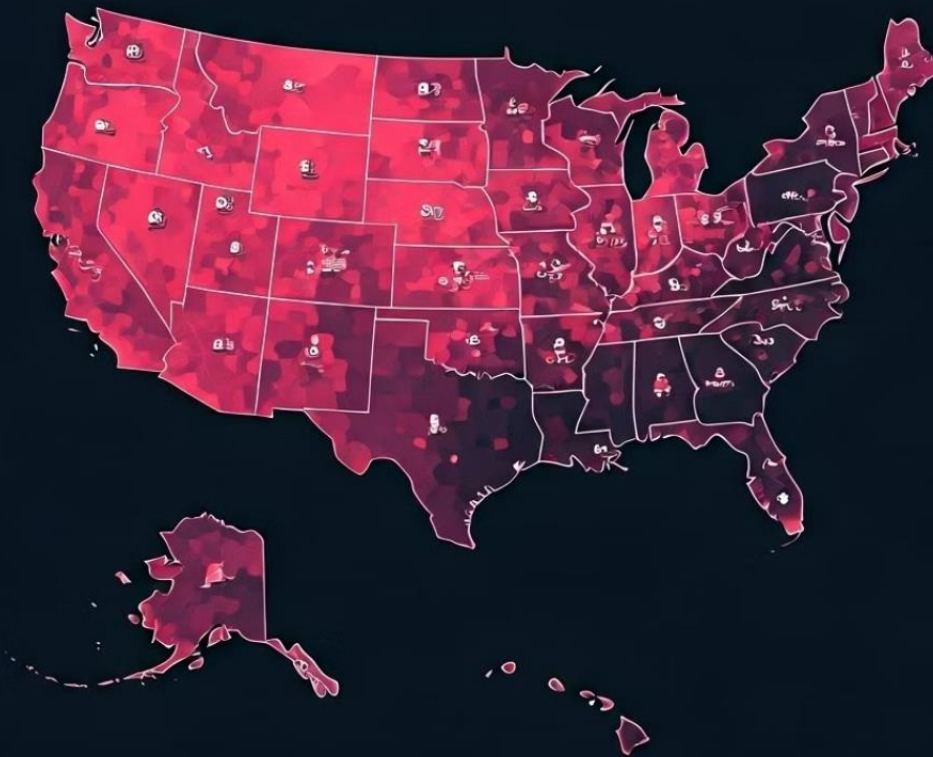
The high cost of EV batteries remains a barrier to affordability, particularly for lower-income consumers.

4 Charging Time

Charging times are often too long, impacting convenience and practicality for daily commutes.

Gaps in EV Infrastructure and Charging Stations

Location	Availability	Charging Speed
Rural Areas	Limited	Slow
Urban Areas	Increasing	Mixed
Public Spaces	Moderate	Variable





Gaps in Consumer Adoption and Awareness

1

Lack of Awareness

Many consumers are unaware of the benefits and features of EVs, leading to misconceptions.

2

Range Anxiety

Consumers worry about running out of battery charge before reaching their destination.

3

Charging Convenience

Concerns about the availability and accessibility of charging stations.

4

Affordability

The higher initial cost of EVs compared to traditional vehicles.



Conclusion and Recommendations

Investment in R&D

Focus on improving battery technology, range, and charging infrastructure.

Public Education

Increase awareness about the benefits, features, and misconceptions surrounding EVs.

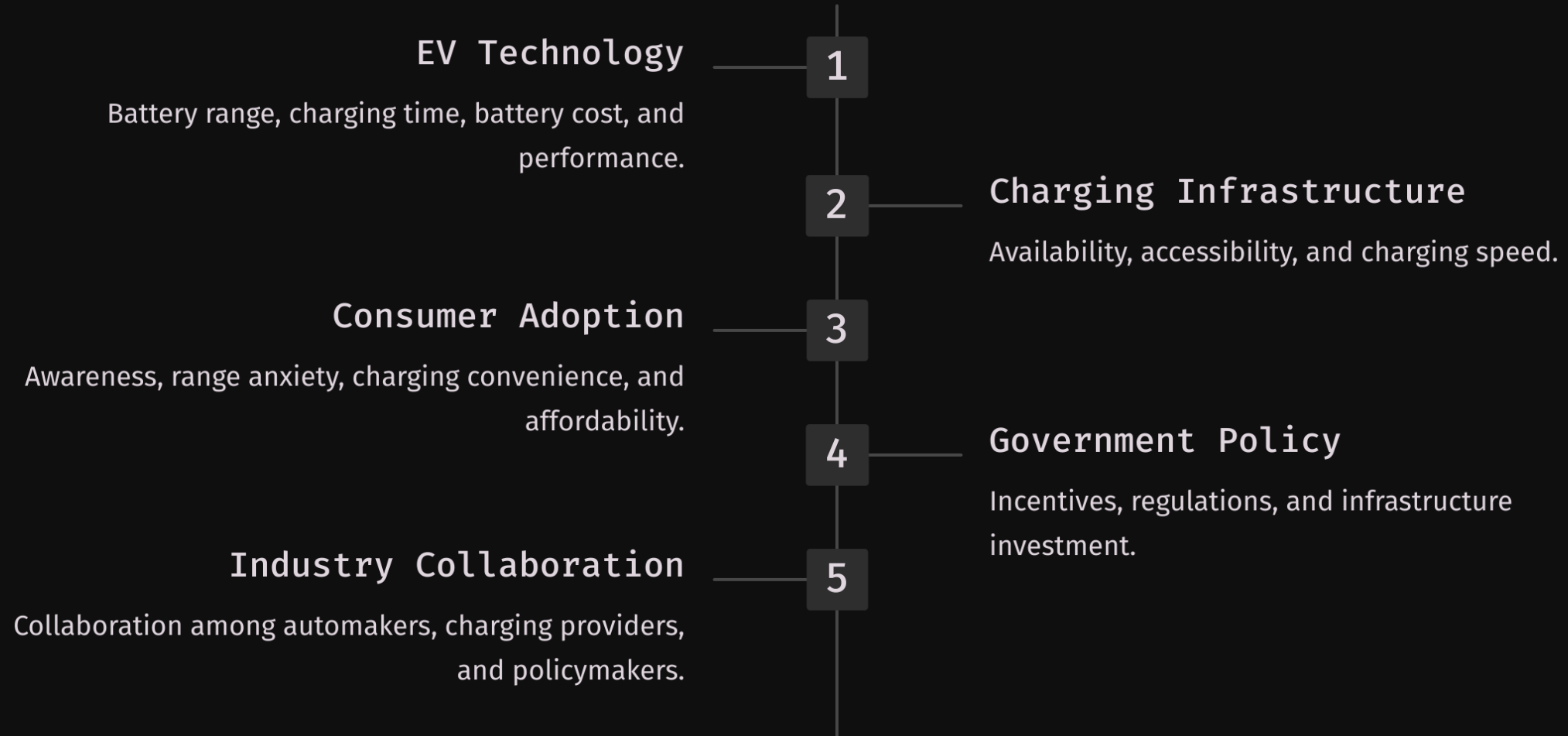
Government Policies

Implement policies that incentivize EV adoption and support infrastructure development.

Industry Collaboration

Encourage collaboration between automakers, charging network providers, and policymakers.

Flow Chart: Gap Analysis of Electric Vehicles



CT&DT – SPSU – “TEAM SCOUT” – TASK#07

TEAM MEMBERS:

- NAVEEN.C
- CHARAN TEJA.K
- HARI NAVEEN.M
- KUSHAL MENARIYA
- MAHESH LOHAR
- JAGADEESH.A