

Electric Vehicles (EVs) Information Android App

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Abstract—Electric Vehicles (EVs) are gaining momentum due to several factors, including price and environmental awareness. This paper reviews the advances of EVs regarding battery technology trends and charging methods, as well as the new challenges and open opportunities. More specifically, an analysis of the worldwide market situation of EVs and their future prospects is carried out. Given that one of the fundamental aspects of EVs is the battery, the paper presents a thorough review

of the battery technologies—from Lead-acid batteries to Lithium-ion. Moreover, we review the different standards that are available for EVs charging process, as well as the power control and battery energy management proposals.

Keywords: Electric Vehicles; Plug-In Hybrid Electric Vehicle; battery charging; batteries technology; charging mode.

I. INTRODUCTION

Electric vehicles are a promising technology for achieving a sustainable transport sector in the future, due to their very low to zero carbon emissions, low noise, high efficiency, and flexibility in grid operation and integration. This chapter includes an overview of electric vehicle technologies as well as associated energy storage systems and charging mechanisms. Different types of electric-drive vehicles are presented. These include batteries, electric vehicles, plug-in hybrid electric vehicles, hybrid electric vehicles, and fuel cell electric vehicles. The topologies for each category and the enabling technologies are discussed. Various new transportation electric vehicles, new battery technologies, and different charger converter topologies are introduced. Electrifying transportation not only facilitates a clean energy transition but also enables the diversification of transportation's sector fuel mix and addresses energy security concerns. The 1960s and 1970s saw a need for alternative fuelled vehicles to reduce the problems of exhaust emissions from internal combustion engines and to reduce the dependency on imported foreign crude oil. During the years from 1960

to the present, many attempts to produce practical electric vehicles occurred and continue to occur. The purpose of this report is to describe the technology used to produce an electric vehicle and explain why the electric engine is better

curity concerns. In addition, this can also be a viable solution, in order to alleviate associated with climate change. Furthermore, charging standards and mechanisms and relative impacts to the grid from charging vehicles are also presented. In the existing system, it is difficult to maintain the e – vehicle information individually and to supply it for the customer who is eager to buy them. The customer has to face difficulty knowing the information of e – vehicles like their detailed specification and pricing features. Also the showroom owner can upload information about the new launch vehicle to the app. Also if they had exciting offers on vehicles they can display them through our app. Also, the user can search the nearby charging station.

We can also find the best maintenance place for electric vehicles. The user can also ask the showroom owner queries about an electric vehicle's specifications.

to the present, many attempts to produce practical electric vehicles occurred and continue to occur. The purpose of this report is to describe the technology used to produce an electric vehicle and explain why the electric engine is better

than the internal combustion engine. It includes reasons why the electric vehicle grew rapidly and the reason it is a necessity to better the world today. The report describes the most important parts in an electric vehicle and hybrid vehicle. It compares the electric to the hybrid and internal combustion engine vehicle. It also includes the future of the electric vehicle. The overall impact of the electric vehicle ultimately benefits the people. Compared to gasoline powered vehicles, electric vehicles are considered to be ninety even percent cleaner, producing no tail pipe emissions that can place particulate matter into the air. Particulate matter, carcinogens released into the atmosphere by gas-powered vehicles, "can increase asthma conditions, as well as irritate respiratory systems".

II PROPOSED METHODOLOGY

In our system, there will be two login one for customers and one for showroom owners. Firstly, the showroom owner has to login on this application. The customer will do the registration. The customer can browse the all information related electric vehicles. The customer can also search the specific vehicle for their specific requirements. In customer login, the customer can browse the information about electric vehicle, also we can find the nearest charging station and customer can also make the comparison between two ve-

hicle information and also solve the queries of customer related to electric vehicle

III ADVANTAGES

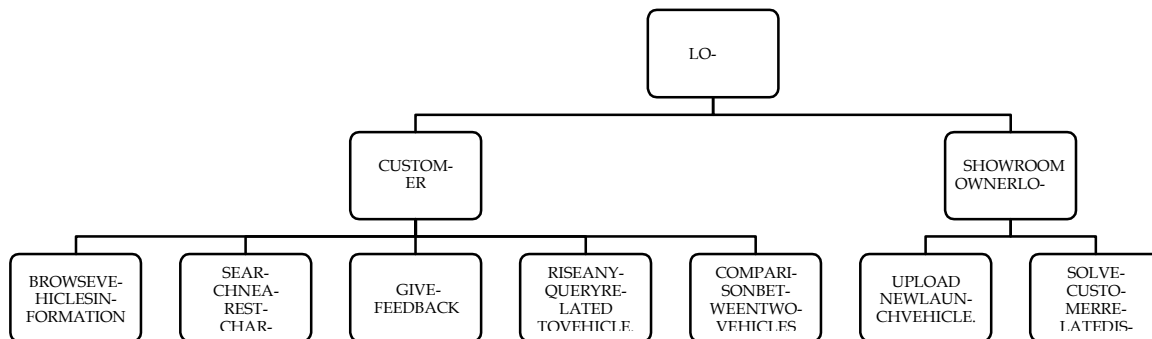
1. Application is User friendly.
2. People can easily find out the electric vehicle which they want to buy.
3. People can find the nearest charging station.
4. People can get the on road price of vehicle at sitting home.
5. People can also ask the query to showroom owners with the help of our application.

IV DISADVANTAGES

1. Require Android Phone.
2. Require Internet Connection
3. User can ask the question only in English.

V CONCLUSION

The progress that the electric vehicle industry has seen in recent years is not only extremely welcomed, but highly necessary in light of the increasing global greenhouse gas levels. As demonstrated within the economic, social, and environmental analysis sections of this webpage, the benefits of electric vehicles far surpass the costs. The biggest obstacle to the widespread adoption of electric-



hicle information. Also this application provides filter options for the customer. In the sho-

powered transportation is cost related, as gasoline and the vehicles that run on it are readily availa-

ble, convenient, and less costly. As is demonstrated in our timeline, we hope that over the course of the next decade technological advancements and policy changes will help ease the transition from traditional fuel-powered vehicles. Additionally, the realization and success of this industry relies heavily on the global population, and it is our hope that through mass marketing and environmental education programs people will feel incentivized and empowered to drive an electric-powered vehicle. Each person can make a difference, so go electric and help make a difference!

7 REFERENCES

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