#### DriveThru

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#### Overview

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#### Introduction

- An electric vehicle (EV) is a vehicle that uses one or more electric motors for propulsion.
- With DriveThru app we can find stations and charge our electric vehicle with easy and convenient steps.
- Allows us to :
  - locate and navigate a charging station.
  - easily start and stop charging.
  - view live charging status.
  - pay for charging.



## **Existing System**

- Currently, most of the Indians are heavily dependent on the fossil fuel driven vehicles, as they are unaware about the benefits of electric vehicles.
- As most of the people are reliant on common vehicles, there are not many apps for the charging of electric vehicles.
- In developed countries, most of the people are using electric vehicles.

### Proposed System

- With DriveThru app we can find stations and charge our electric vehicle with easy and convenient steps.
- Purpose: to locate EV Charging stations throughout the country.
- Allows us to :
  - locate and navigate a charging station.
  - easily start and stop charging.
  - view live charging status.
  - pay for charging.



## Proposed System

#### It provide benefits such as:

- Provide a unified application for charging electric vehicles.
- Easily know surrounding amenities and conveniences available in vicinity of Charge Spot.
- Book your time slot in advance and Save our Time

# Proposed System

- Features
  - Find Nearby Charging Spot.
  - Save EV Information.
  - Get Notified.
  - View Booking Log.

#### Modules

- Revenue and Tariff management
  - Tariff plans are created to charge EV users for consuming energy rate/kWh. These plans can be added or altered in the CMS by an admin.
  - Multiple plans can be created and applied to different charge points individually based on various factors like location, area, peak hours etc.
  - Tariff can be of type âCharging' which is used for calculating energy bills and 'Service feeâ can be applied separately as another component on the bill for every Charge point.
  - Rate per unit is calculated automatically as the rate break up field which is filled out by the admin

#### Modules..

- Dashboard and Reports
  - In this section admin can generate and view a report for charging summary, users and alarms for a selected time period.
  - These reports can be scheduled on daily, weekly or monthly basis and sent to a mailing list.

#### Modules..

- User and Role Management Module
  - An admin can create multiple roles and assign it to different users and provide permissions based on the role.
  - For managing permissions admin has to create a Role first under Role management with the right set of permissions for each functionality on CMS.
  - These permissions for the role can be changed by the admin when required.
  - The users can be managed by assigning different roles, changing permissions for these roles when required.

# Product Backlog

SI.No	Description	Priority
1	Admin can add/alter tariff plan	1
2	Admin can create multiple tax plan	2
3	Admin can add tax group	3
4	Admin can add surge rate	4
5	Tax group management	5
6	Generate and view a report for charging summary.	6
7	Generate users and alarms for a selected time period	7
8	create multiple roles and assign it to different users	8
9	Provide permissions based on the role Of user.	9



# Sprint Backlog

STREET, ST.			Backlog		
Sloo	Sprint	Date	Estimated	Sprint Goal	icativ
'	1	13/3/21	30 hr	Discussion on lopic of their requirements	completed
2	2	15/3/21	24 br	outmit the topic fabstract	completed
3	3	16/3/21-	60 hr	Assessmente	completed
4	4	19 (3/21-	15 hr	on topic	completed



# Sprint Backlog

100000				EU	
5	5	22  3/21 _	dohr	Discussion about module	Not completed
6	6	25   3   2	loby	prepare product backlog	confleted
コ	7	26/3/21	1062	preparesprint	not completed
8	8	27/3/21		backlog DFD	no t
9	9	विह   ३   २ ।		oiscusion on database	no e completed

# Hardware and Software Specifications

- Hardware Specifications
  - Windows 10
  - 32-bit or 64-bit
  - 4 GB Ram
  - Intel/AMD @2.0 GHz
- Software Specifications
  - Android , Flutter
  - Firebase as backend

#### Git Screenshots

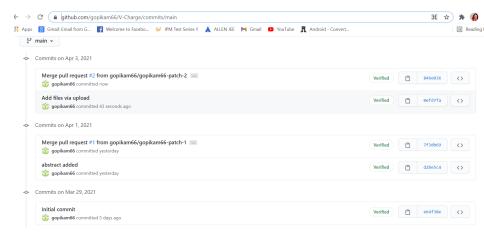


Figure: Screenshot



#### Conclusion

- Going to introduce an app with more features.
- Goal: To accelerate the adoption of clean electric vehicles thereby making travel cheaper, cleaner and more enjoyable throughout India.

# Thank You