**Abstract**

Title: Smart Parking Slots for Vehicles

Team Name: Mind Optimizers

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Problem Statement:

Nowadays, we know that people commuting with personal vehicles has been ever increasing, leading to situations where it has become difficult for them to find a proper parking slot. In general, there are infrastructures for parking systems where people need to spend a lot of time in queues to buy tickets for the same. This situation becomes really irritating for these commuters in case of emergencies.

Our Idea:

Our idea is to improve the traditional parking system. The approach to this problem comprises of a centralized system for managing parking spaces in different areas. Commuters can easily find and reserve a suitable parking slot near them using the QR code based ticket generated by our Mobile Application.

Technologies Used:

We have used the very latest technologies for building our Application i.e. React Native for Front End and Firebase for Back End. It is a fully Android Based application.

Implementation:

Currently, we have built two different apps i.e. one main app (that will be installed by users) and one scanner app (which will be the substitute of the IOT setup).A user can see the nearby free parking slot, can check their ratings, can see the price and distance of parking slot according to their convenience.

Use Cases:

* Can make the parking slot more organised.
* Will remove the work of parking agents.
* User friendly centralized system.