**Park Smart**

**Abstract of the project**

With the increase in automobile usage, the problems associated with parking and its management has increased by many fold. Today, in many parts of the world, people in all the metro cities are facing issues related to parking. Public places such as malls, multiplex system, hospitals, offices, market areas there is a crucial problem of vehicle parking. The vehicle parking area has many lanes/slots for car parking. So to park a vehicle one has to look for all the lanes. Moreover this involves a lot of manual labour and investment.

Our Parksmart project aims to build a vehicle parking management system that handles all the above mentioned drawbacks of the existing systems as well as provide the users with latest cutting edge solution. Parking space efficiency, time consumption and reduced human efforts and intervention are major motto behind the project. Smart park deals with check-in, check-out of the vehicles, allocation of parking space to each vehicle based on it’s class, updation of parking grid, cost estimation for the time availed by each vehicle.

**Part of the project that you could complete before the first progress meeting**

Gathering requirements and Model review.

**Part to project that you could complete before the second progress meeting**

Architecture implementation**,** API, Login.

**Remaining part of the project**

UI, Integration Testing and Deployment.