**CLOUD BASED PARKING SYSTEM**

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**Objective and Basic outline-**

The main objective here is to present a work which is a mashup of both software engineering and cloud computing. Here we aspire to make a Parking system software using the agile methodologies and then collaborating it with modern clouds. Once the software is deployed to the cloud system it can be used by any user by downloading simple android application. This model consists of systematic development of all the web pages related to the system which includes following redirections-

* User Registration with details
* Signing in
* Parking availability with near by location
* Parking Layout Page
* Pre-Reserving parking slot
* Cancel booking or delete account

**Basic Requirements of the Work-**

Programming languages- Java, Android, Javascript, Nodejs

Tools-Eclipse Ide, Cloud based database System

Platforms and other resources to be used for the project: Android Studio, Eclipse ide

**Success performance measure:**

As per our objective of the project success rate can be measured after the achievement of various steps as this will be agile model development. So using coding knowledge to build a web model and then relating it with compactible cloud system and then presenting it to the users will be the high success rate of this project. Testing at user end can be done only once the system is presented to the users even though testing at developers end will be done at each and every step to provide a bug free software.