

WIEHACK 2.0

ROUND 1: ABSTRACT SUBMISSION

Team Name : Bites and bytes

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Theme : Smart Cities

ABSTRACT

Whether you're zipping around in a Tesla or crawling along in an old WagonR, the hunt for a parking space is enough to drive anybody crazy. Especially in heavily populated areas, parking is an age-old dilemma. The number of vehicles in India has increased 700 times -- from 0.3 million in 1951 to 210 million in 2015 and has been increasing ever since.

With **ParKing** you can reserve your spot from home and need not worry about finding a spot at the last moment. **ParKing** is an online web application portal where user can search and reserve any place for parking his/her Vehicle and the application results with a wide range of locations and prices on hourly basis. The application provides user registration form for user to sign into the application. User can take the benefit of Facebook or Google O Auth to validate himself/herself into the application. User can find the right parking location by entering the address/landmark/city. The parking details like Location Name, Location Address, Price, From Time, To Time and vehicle registration number are taken to make a reservation .. The details are then pushed into mongo DB and an email confirmation is triggered from NodeJS which is sent to registered email-id.

The application provides two user friendly layouts. One with the map view which highlights the location pointers. The other is the list view where it provides list of all the location with the details. The application also provides feature for the user to delete his reservation or user account.

Most often we drive to areas where there is very less space available for parking and the area is surrounded by various houses that have parking space in front of them but usually there is no parking sign in front the house. If people in such areas rent their parking space for some hours the parking problem of such areas could be resolved easily. Our web application also contains an option to rent your parking space and get some extra cash in the process.