

: : LITERATURE REVIEW : :

EXISTING SYSTEM:

In today's world in very few countries we get sophisticated low cost parking management devices which can accurately manage parking of cars with out human involvements. Basically most of the countries parking is managed by humans. The driver often has to face harassment in the parking lot due to less availability of parking space which is always unknown to him until he visits that certain place. Sometimes emergency vehicles like fire brigade, ambulance, police vans do not get parking space to carry out their operations due to congestion in parking sites. We also heard about various thefts in parking areas of cars and bikes which cannot be handled.

PROPOSED SYSTEM:

In our proposed system we are building a modern, sophisticated yet cheap parking management solution for the future GenZ commuters. It is totally operable without any human intervention and can work flawlessly in every scenario. It has a Esp8266 module and a PIR motion sensor in the hardware which is fully automatic, easy to use and lightweight. The Parking Module will be fixed at the parking lot and it will continue sensing presence of a vehicle. We will build one app where the user will enter his location and based on that he will be shown all the nearby parking lots. The user can pre book parking lots by paying the required fees as well as check when any occupied parking space will be emptied when. In this way their lot of parking space unavailability harassments can be solved and use of man power can be reduced thus it will do a great cost cutting. The user friendly app will also provide a modern interface to the people to have a great experience on road. It will also have a theft protection system where if any unusual forceful movement of car is observed it will ring siren and notify the owner in the app that your cars anonymous movement is detected and notify the nearby traffic police as well. Unless the man press finish button in the app it will be under the surveillance of our parking solution its very safe in this regard as well.