



DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

PROJECT PROPOSAL

1. Project Title:-

POS(Park On Spot): A smart parking system for future

2. Project Scope:-

For our smart parking management system we are going to use a ESP8266 module and PIR motion sensor. Whenever the Mini PIR sensor detects the car is present it will mark the area is already occupied. In our app all data will be visible which will be connected through a cloud service. In the app customer can book advance parking space and pay fees as well as check parking space is empty or not. A timer will run along with to check for how long it has been parked and charges will be adjusted accordingly.


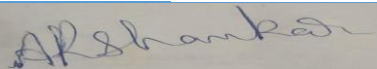
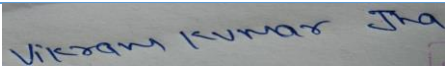
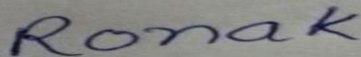
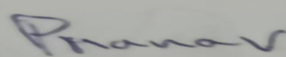
3. Task Definition:-

In today's modern and fast moving world where vehicles are increasing very rapidly ,parking has become a tedious task to manage. Mismanagement of parking leading to vehicle getting stuck ,accidents in some cases,etc has become a common issue. Moreover parking vendors take advantage of this to mint illegal money from people. So we are proposing a smart parking management system for a hustle free parking and efficient use of parking space. This system will be monitored by an application that will have data of all parked vehicle and their time slots and customer can check availability of parking space through this app.

4. Requirements:-

- 1. ESP8266**
- 2. Mini PIR motion sensor**
- 3. Breadboard**
- 4. Jumper wires**
- 5. Arduino IDE for Coding**
- 6. App Design**
- 7. Cloud Services**

STUDENTS DETAILS

Name	UID	Signature
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APPROVAL AND AUTHORITY TO PROCEED

We approve the project as described above, and authorize the team to proceed.

Name	Title	Signature (with Date)
Arvind Punar	Supervisor	
Shubhangi Mishra	Co - Supervisor	