**PROBLEM STATEMENT :**

There have been several problems regarding parking spaces in India. We do not have an effective method for managing the parking spaces that are available for the public and we do not have locations of parking spaces

**Objective:**

The project aim is to convert the normal parking spaces into smart parking spaces. The sensor data is used determine whether a parking space is occupied or not. The project aims to reduce the time required by people to search for parking spaces.

**Existing system:**

The existing system include manual parking of cars without the help of authorities in public area which causes a lot of traffic due to no supervising, some shopping malls implement parking by hiring employees who manage all the parking spaces manually which takes a lot of time

**COMPONENTS:**

**HARDWARE**

1. ESP 8266
2. IR SENSORS
3. BREAD BOARD
4. JUMPER WIRES

**Applications:**

1. public parking places
2. Movie theaters
3. Shopping malls
4. Institutions
5. Tourist places

**BENEFICIARIES:**

1.TOURISTS

2.EMPLOYEES

3.GENERAL PUBLIC

**outcome:**

with the application of sensors in the parking SPACES we can effectively manage the parking areas and people can find the parking spaces in their mobile phone without going through the trouble of manually searching for the parking spaces