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COLLEGE CODE:5119

COURSE NAME: IBM

GROUP NUMBER: 2

PROJECT TITLE:SMART PARKING

PROJECT SUBMITTED TO: Skill UP

YEAR: 3

DEPARTMENT: ECE

SEMESTER: 5

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SMART PARKING

PROBLEM:

❖ In recent days, mainly in populated areas like cities, finding a free parking lot in aCities and it's very hard.

❖ Most of the cases, people go to a parking station and find that all parking slot are full and they have to search for another parking lot.

❖ So, it is a bigHassle for many people who owns the car .

SOLUTIONS:

➢ Implement IOT sensors in public parking spaces to monitor availablity in real time.

➢ ThisData can be made accessible through a public platform or mobile app, helping drivers find available parking spaces efficiently.

➢ Use appropriate sensor to detect presence or absence of a car in the parking Space.

➢ Feed this information to an Arduino board connected with an ESP8266 module that send this information to an online data base platform (firebase) which is access by an mobile or web application to display empty parking slots.