



**COLLEGE NAME: PRIYADARSHINI ENGINEERING
COLLEGE**

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 a cities and it's very hard.
- ❖ Most of the cases, people go to a parking station and find that all parking slots are full and they have to search for another parking lot.
- ❖ So, it is a big hassle for many people who own the car.

SOLUTIONS:

- Implement IOT sensors in public parking spaces to monitor availability in real time.
- This data 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 sends this information to an online data base platform (firebase) which is accessed by a mobile or web application to display empty parking slots.