



LAB EVALUATION

PROJECT NAME:



VEHICLE PARKING MANAGEMENT SYSTEM





TEAM:

● Rishabh Jain

ROLL NO. 2210990725

● Rhythm Trehan

ROLL NO.2210990722

● Rohan Kapoor

ROLL NO.2210990738

WHAT IS PARKING MANAGEMENT SYSTEM?

- It help people find parking spots quickly.
- It provide necessary guidelines to make the whole parking process smoother.
- It reduces frustration and enhances the visitor experience.
- It allows users to reserve and pay for a parking space via telephone or the internet.
- It fixes parking related complications

Identifying the Need for Intelligent Parking system

- Travelers are unaware
- Reduction in time spent
- Identifying the Need for Intelligent Parking system
- Reduced driver frustration
- Reduction in congestion
- Elimination of queues
- Better distribution of flow and parking
- Revenues and profitability

BASIC IDEA

What information will we get from the code

- Available parking slots
- View parking fee structure
- Vehicle entry-
 - owner's name
 - entry time of vehicle
- Get car details-
 - vehicle registration number
 - type of vehicle(2 wheeler/4 wheeler)
- Vehicle exit-
 - amount to pay

Working of the Code

Please enter the number to access the service followed by that number:

- 1) Vehicle Entry
- 2) Vehicle Exit
- 3) Available Parking Slots
- 4) Get Car Details
- 5) View Parking Fee Structure
- 6) Exit Program

1

Enter your name: Rohan

Enter current time (format: 15:35): 12:35

Enter your vehicle registration number: PB11BQ3535

Vehicle type (car/bike) :car

Please enter the number to access the service followed by that number:

- 1) Vehicle Entry
- 2) Vehicle Exit
- 3) Available Parking Slots
- 4) Get Car Details
- 5) View Parking Fee Structure
- 6) Exit Program

3

Total Parking Slots: 20

Number of available parking slots: 19

Please enter the number to access the service followed by that number:

- 1) Vehicle Entry
- 2) Vehicle Exit
- 3) Available Parking Slots
- 4) Get Car Details
- 5) View Parking Fee Structure
- 6) Exit Program

4

Enter your vehicle registration number: PB11BQ3535

Driver's Name: Rohan

Vehicle type: car

Vehicle entry time: 12:35

Exit time: Vehicle still in the parking lot

Please enter the number to access the service followed by that number:

- 1) Vehicle Entry
- 2) Vehicle Exit
- 3) Available Parking Slots
- 4) Get Car Details
- 5) View Parking Fee Structure
- 6) Exit Program

5

For Car:

Parking fee for first 3 hours: 40 rs

Extra 10 rs per extra hour

For Bike:

Parking fee for first 3 hours: 20 rs

Extra 5 rs per extra hour

Please enter the number to access the service followed by that number:

- 1) Vehicle Entry
- 2) Vehicle Exit
- 3) Available Parking Slots
- 4) Get Car Details
- 5) View Parking Fee Structure
- 6) Exit Program


2

Enter your vehicle registration number: PB11BQ3535

Enter current time (format: 17:45): 19:35

Total parking time: 7 hours 0 minutes

Parking charges: 80 rs



Please enter the number to access the service followed by that number:

- 1) Vehicle Entry
- 2) Vehicle Exit
- 3) Available Parking Slots
- 4) Get Car Details
- 5) View Parking Fee Structure
- 6) Exit Program

3

Total Parking Slots: 20

Number of available parking slots: 20

Please enter the number to access the service followed by that number:

- 1) Vehicle Entry
- 2) Vehicle Exit
- 3) Available Parking Slots
- 4) Get Car Details
- 5) View Parking Fee Structure
- 6) Exit Program

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