Parking Management System - Project Report

1. Project Title

Parking Management System using Python

2. Objective

To develop a simple parking management system that allows users to add, view, and delete parked

vehicles using Python. The system also tracks how long each vehicle has been parked.

3. Tools & Technologies Used

- Python

- Pydroid3 / Terminal

- datetime module

4. Features Implemented

- Add Vehicle with details

- View all parked vehicles with duration

- Delete a vehicle

- Exit the application

5. Sample Output

====== Parking Management System ======

1. Add Vehicle

2. View All Vehicles

3. Exit

4. Delete Vehicle

Enter your choice: 1

Enter Owner Name: ramu

Enter Vehicle Number: TS09AB1234

Enter Vehicle Type (Car/Bike): car

[Car] Vehicle inserted successfully!

====== Parking Management System ======

1. Add Vehicle

2. View All Vehicles

3. Exit

4. Delete Vehicle

Enter your choice: 2

--- All Vehicles ---

ID: 1, Owner: ramu, Number: TS09AB1234, Type: car, Parked for: 0 minutes

====== Parking Management System ======

1. Add Vehicle

2. View All Vehicles

3. Exit

4. Delete Vehicle

Enter your choice: 4

Enter vehicle number to delete: TS09AB1234

[Deleted] Vehicle deleted successfully!

====== Parking Management System ======

1. Add Vehicle

2. View All Vehicles

3. Exit

4. Delete Vehicle

Enter your choice: 3

[Exit] Exiting... Thank you!

6. Conclusion

The Parking Management System is a beginner-friendly project that demonstrates basic Python programming skills, user input handling, and working with dates and time.

7. Author

Submitted by: [Your Name Here]

Date: 2025-06-25