COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

Park Pro
Smart Parking System

Under the Mentorship of
Dr. Ajay Kumar

CPG - 170

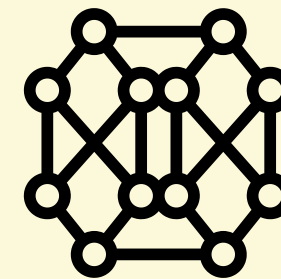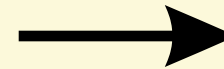|	
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1. INTRODUCTION

Parking management is a significant challenge from locating empty parking spaces to improving parking occupancy and security
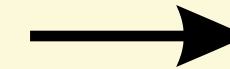
2. METHODOLOGY

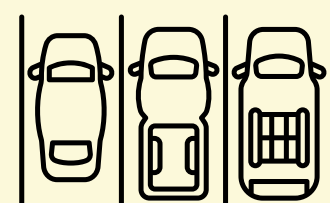Designing system architecture → Feeding video to OCR and CV based parking spot detection system → Suggestion of vacant spaces based on system

3. TECH STACK

Python, CVZone, OpenCV, Python Openpyxl, pillow

4. ADVANTAGES

Enhanced Parking Efficiency

Unauthorised access prevention

Precise arrival and departure times

5. CONCLUSION

- revolutionize the parking experience by automating the entire parking management process.
- number plate detection, Real-time updates in vacant parking spots, precise time of arrival and departure and enhanced parking security