

Project planning phase
Technology Stack (Architecture & Stack)

Date	09 October 2022
Team ID	591691
Project Name	AI Enable Car Parking Using OpenCV
Maximum Marks	4 Marks

Technical Architecture:

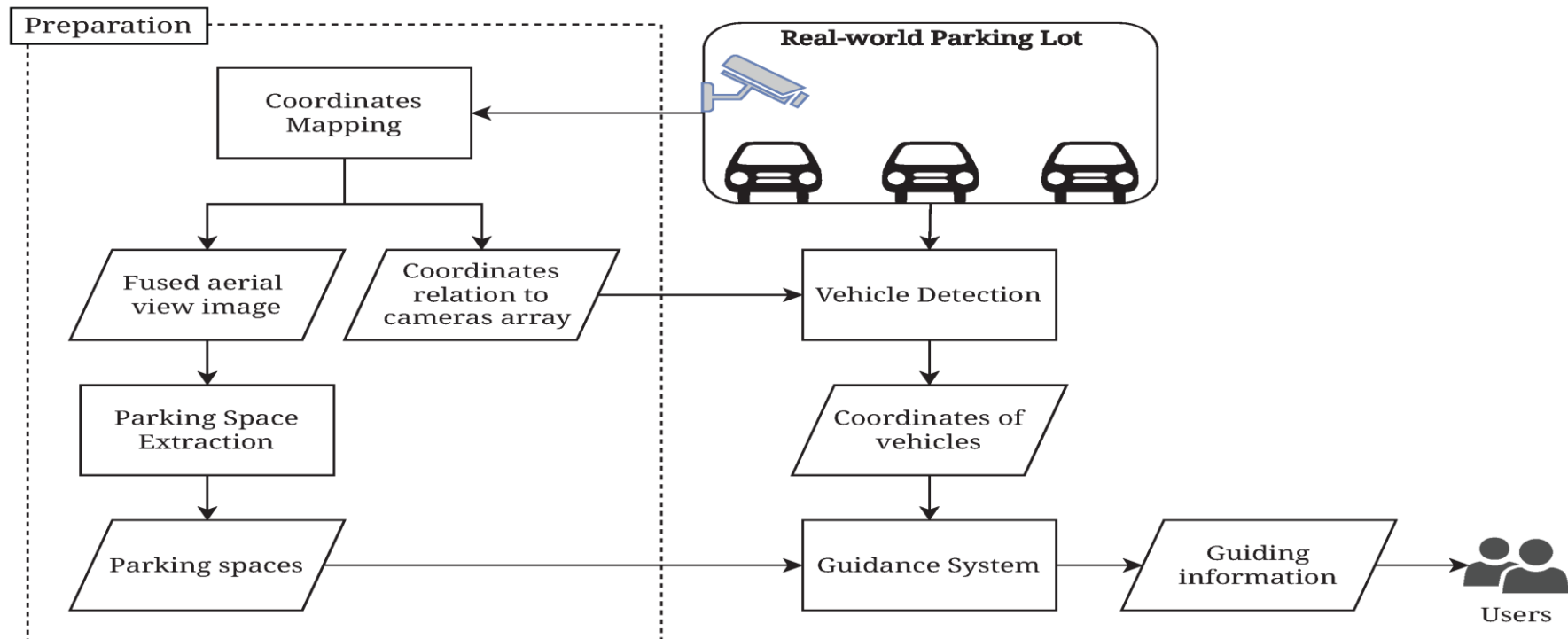


Table-1 : Application Characteristics and Technology used :

S.No	Component	Description	Technology
1.	User Authentication	Allow users to parking lot upon successful authentication	Database authentication, Facial scan
2.	Parking spot management	Detect availability of parking spot user and update in real-time scenario	Python,Open CV
3.	Payment and billing	Allow payment via various methods like card,upi,net banking,mobile wallet	Payment gateway
4.	Security and Surveillance	Monitor car parking lot using cameras and alert any suspicious activites	Alert system
5.	Database	Storeng the data for analytical purposes	MySQL, NoSQL, etc.
6.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Flask	Flask,etc.