Project topics:Smart parking system

Key feature: Apply machine learning model and determine the best parking spot for the user.

Scope: York university parking loot

Sprint Backlog:

User Story	Task	Owner	Estimate(point)	Prioirity	Acceptance	Status
As a user, I want to find parking spaces quickly so I can save time and reduce congestion.	Develop IoT sensor integration for real-time	IoT Engineer	8	Musthave	System can detect and update parking spot availability in real-time.	Complete
As a parking lot owner, I want to track occupancy in real-time so I can optimize revenue.	Design and develop a cloud database to store parking data	Cloud Engineer	8	Musthave	Data is stored securely and can be accessed within 3 seconds.	Complete
As a driver, I want to reserve a parking spot in advance so I don't have to search for parking.	Implement a reservation system in the mobile	Frontend Developer & Backend	10	Musthave	Users can successfully book and cancel	Complete
As an admin, I want a secure payment system so I can ensure reliable transactions.	Integrate secure payment gateway for seamless transactions	Backend	10	Musthave	Payments are securely processed without	Complete

As a system operator, I want real-time analytics so I can monitor system performance.	Develop AI analytics to track usage and predict availability	Data Analyst	7	Should Have	Analytics dashboard displays real-time	Complete

6-Day Work Plan for Smart Parking System:

Day	Task	Owner	Meeting Schedulle	Status
Day 1	Kickoff meeting & Role Assignment	All Members	Kickoff meeting(30mins) -Task Assignment	Completed
Day2	Research on Purpose and Background & Apply problem definition and assumption.	Project leader& Project sponser	Topic meeting(10mins) -Progesscheck	Completed
Day3	Research on project constraints and provide the risk considerations	All members	Topic meeting(10mins) -progesscheck	Completed
Day4	Providing the option analyzation and defining the requirements	All members	Topic meeting(10mins) -progesscheck	Completed
Day5	Research the approvals and risks of not proceeding	All members	Topic meeting(10mins) -progesscheck	Completed
Day6	Research on Finacials	All members	Topic meeting(10mins) -Progresscheck	Completed

Meeting Time: Around 8pm !