Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	19 October 2023
Team ID	Team - 592813
Team Members	Sugandhi Ninad Nilesh Aadhith M
Project Name	Project - AI Enabled Car Parking System using OpenCV
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirements (Epic)	User Story Number	User Story/ Task	Story Points	Priority	Team Members
Sprint-1.0	Registration	USN-1	As a new user, I want to create an account on the mobile app to access parking services.	10	High	2
Sprint-1.0	Login	USN-2	As a registered user, I want to log into the mobile app to access parking information and services.	10	High	2

Sprint-1.0	Parking Space Availability	USN-3	As a driver, I want to easily find an available parking space so that I can park my car without hassle.	15	High	2
Sprint-1.1	Profile Management	USN-4	As a driver, I want to manage my profile information such as name, contact details, and vehicle information.	10	Medium	2
Sprint-1.1	Space Utilisation Optimization	USN-5	As a parking facility operator, I want to optimise parking space allocation to accommodate maximum vehicles and enhance revenue.	10	High	2
Sprint-1.1	Suspicious Activity Detection	USN-6	As a security personnel, I want to be alerted about any suspicious activities within the parking facility to ensure a secure environment.	10	High	2
Sprint-1.1	Data Analytics and Insights	USN-7	As an application administrator, I want to access detailed analytics and insights to understand user behaviour and improve system performance.	5	Medium	2
Sprint-1.1	Payment Management	USN-8	As a driver, I want to manage my payment methods for parking services.	10	Medium	2

Sprint-1.2	Reservation System	USN-9	As a driver, I want to reserve a parking space in advance so that I can ensure a spot during peak hours.	5	Medium	2
Sprint-1.2	Parking History	USN-10	As a driver, I want to view my parking history, including previous parking sessions and payments.	10	Medium	2
Sprint-1.2	Favourites & Reminders	USN-11	As a driver, I want to mark certain parking facilities as favourites and set reminders for specific parking sessions.	5	Low	2
Sprint-1.0	Real-time Occupancy Dashboard	USN-12	As a parking facility operator, I want a real-time dashboard displaying occupancy and availability data.	15	High	2
Sprint-1.1	User Feedback Analysis	USN-13	As a parking facility operator, I want to collect and analyse user feedback to improve services.	10	Medium	2
Sprint-1.0	System Monitoring	USN-14	As an administrator, I want to monitor the system's performance, including server health and user activity.	10	High	2

Sprint-1.1	UI Enhancements	USN-15	As a UI/UX designer, I want to enhance the user interface with intuitive design elements and seamless navigation.	10	High	2

Project Tracker:

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
1.0	60	7 Days	23rd Oct 2023	30th Oct 2023	60	30th Oct 2023
1.1	65	7 Days	28th Oct 2023	4th Nov 2023	60	4th Nov 2023
1.2	20	3 Days	3rd Nov 2023	5th Nov 2023	20	6th Nov 2023

Velocity:

Sprint 1:

AV = 12

Sprint 2:

AV = 13

Sprint 3:

AV = 7

Burndown Chart: