Project Planning Phase

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

Date	8th November 2023
Team ID	592031
Project Name	Project - AI Enable car parking using OpenCV
Maximum Marks	8 Marks

Product Backlog, Phase Schedule, and Estimation (4 Marks):

Phase	Number	Requirement (Epic)	User Story	Story Points	Priority
Phase-2	1	AI Car Parking System	As a driver, I want to detect empty parking spots.	8	High
Phase-2	2	AI Car Parking System	As a driver, I want the AI to guide my car into a parking spot.	13	Medium
Phase-2	3	AI Car Parking System	As a parking lot owner, I want to monitor available parking spaces in real-time.	5	High
Phase-3	4	AI Car Parking System	As a driver, I want to receive notifications when a parking spot becomes available.	3	Low
Phase-1	5	AI Car Parking System	As a driver, I want a clean interface to track my movement easily without any delay.		

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Phase	Total Story Points	Duration	Phase Start Date	Phase End Date (Planned)	Story Points Completed (as on Planned End Date)	Phase Release Date (Actual)
Phase-1	20	6 Days	07 Nov 2023	10 Nov 2023	20	11 Nov 2023
Phase-2	20	6 Days	10 Nov 2023	13 Nov 2023		
Phase-3	20	6 Days	14 Nov 2023	18 Nov 2023		
Phase-4	20	6 Days	18 Nov 2023	21 Nov 2023		

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown Chart: