Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID592328
Project Name	Project -AI enable Car Parking using OpenCV
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	
Sprint-1		USN-4	As a user, I can register for the application through Gmail	1	Medium	
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	
Sprint-2	Requesting/conferrer	USN-6	As a conferrer I can request vacant parking space to park my car and see the number of slots available	1	High	
Sprint-2	Profile	USN-7	As a user I can see registration page, login page and request page to see available slots and camera footage screen where I can check availability of parking spots in real time	2	Medium	
Sprint -3	Help desk/ user support	USN-8	As a customer care executive, I can solve the queries of the users	3	High	
Sprint -4	Registration	USN-9	As an administration or I can view the database of registered users	2	Medium	

Sprint-4	Dash board	USN-10	As an administrator, I can view how many members requested for what trouble occurs in parking vehicle	3	Low	
Sprint-5	User Interface	USN-11	Car parking spots available number displayed, Spots available highlighted with green color and car number changing continuously, screen shows the CCTV footage coverage of Parking area	2	High	

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	5	5 Days	22 Aug 2023	02 Sept 2023	5	02 Sept 2023
Sprint-2	5	5 Days	28 Aug 2023	02 Sept 2023	5	02 Sept 2023
Sprint-3	3	5 Days	05 Sept 2023	10 Sept 2023	3	10 Sept 2023
Sprint-4	5	5 Days	12 Sept 2023	17 Sept 2023	5	17 Sept 2023
Sprint-5	2	5 Days	14 Sept 2023	19 Sept 2023	2	19 Sept 2023

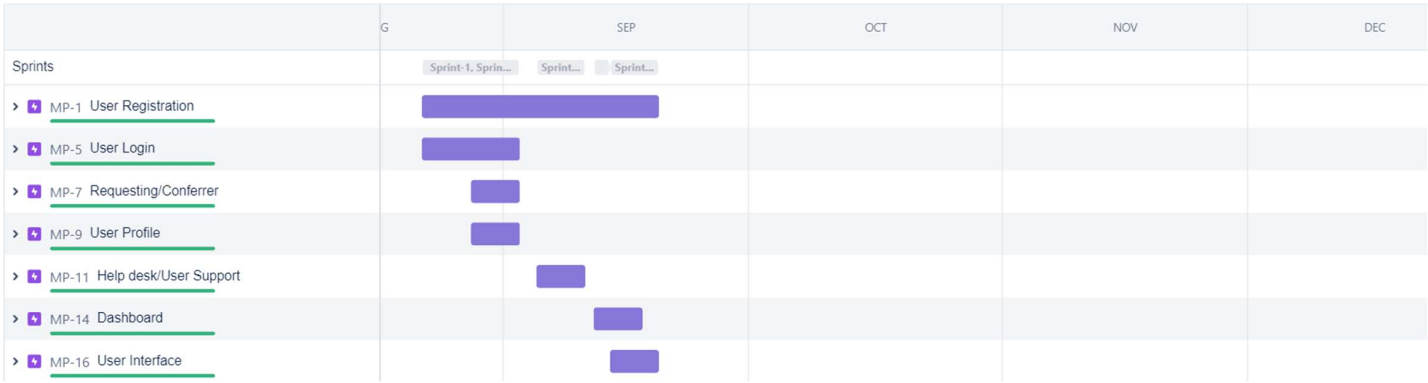
Velocity:
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

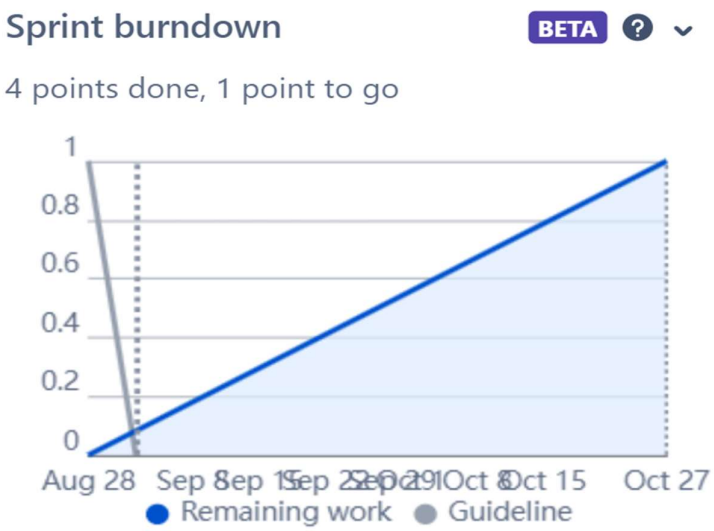
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

AV = (5+5+3+5+2)/5 = 20/5 = **4**

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.





https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts