Project Planning Phase II

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

Date	27 October 2023
Team ID	Team-592212
Project Name	Project - AI-Driven Optimization Of 5G Resource Allocation For Network Efficiency
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	Browsing	USN-1	As a user, I can browse for the application by accessing email and communicate across platforms seamlessly	2	High	Aman Preet
Sprint-2	Download	USN-2	As a user, I can download at high speeds	1	High	Sudhith
Sprint-3	Multitasking	USN-3	As a regular user, I can perform multiple tasks that require high internet speeds seamlessly.	2	High	Kanak

Sprint-4	Resource Allocation	USN-4	As an Internet Service Provider, we can allocate resources for 5G internet provision effectively and route traffic efficiently	2	High	Hardik

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	20	3 Days	28 Oct 2022	30 Oct 2022	20	30 Oct 2022
Sprint-2	20	3 Days	31 Oct 2022	02 Nov 2022	20	02 Nov 2022
Sprint-3	20	4 Days	03 Nov 2022	06 Nov 2022	20	06 Nov 2022
Sprint-4	20	3 Days	07 Nov 2022	09 Nov 2022	20	09 Nov 2022

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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{3} = 6.67$$

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.