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

Date	27 October 2023
Team ID	PNT2022TMID592348
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)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Story Points	Team Members
Sprint-1	Registration	USN-1	As a user, I want to register on the 5G optimization platform.	2	High	Isha
Sprint-2	Registration	USN-2	As a registered user, I want to reset my password.	1	Medium	Aditya
Sprint-1	Login	USN-3	As a user, I want to log in to the 5G optimization platform.	2	High	Vishnu
Sprint-2	Login	USN-4	As a logged-in user, I want to log out securely.	1	Medium	Isha
Sprint-1	Dashboard	USN-5	As a user, I want to view a dashboard with network metrics.	3	High	Aditya
Sprint-3	Dashboard	USN-6	As a user, I want to customize my dashboard.	1	Medium	Vishnu
Sprint-1	Registration	USN-7	As a user, I want to register on the 5G optimization platform.	2	High	Isha
Sprint-2	Registration	USN-8	As a registered user, I want to reset my password.	1	Medium	Aditya
Sprint-1	Login	USN-9	As a user, I want to log in to the 5G optimization platform.	2	High	Vishnu
Sprint-2	Login	USN-10	As a logged-in user, I want to log out securely.	1	Medium	Isha
Sprint-1	Dashboard	USN-11	As a user, I want to view a dashboard with network metrics.	3	High	Aditya
Sprint-3	Dashboard	USN-12	As a user, I want to customize my dashboard.	1	Medium	Vishnu

Sprint-1	Dashboard	USN-13	As a customer care executive, I want access to a dashboard.	2	High	Isha
Sprint-2	Dashboard	USN-14	As a customer care executive, I want to view network metrics.	2	Medium	Aditya
Sprint-3	Reporting	USN-15	As a customer care executive, I want to generate network reports.	3	High	Vishnu
Sprint-3	Reporting	USN-16	As a customer care executive, I want to export reports.	1	Medium	Isha
Sprint-1	User Management	USN-17	As an administrator, I want to manage user accounts.	2	High	Aditya
Sprint-2	User Management	USN-18	As an administrator, I want to control user access.	2	Medium	Vishnu
Sprint-1	System Configuration	USN-19	As an administrator, I want to configure system settings.	3	High	Isha
Sprint-3	System Configuration	USN-20	As an administrator, I want to view system logs.	1	Medium	Aditya

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	21	8 Days	26 Oct 2023	02 Nov 2023	21	02 Nov 2023
Sprint-2	8	2 Days	03 Nov 2023	04 Nov 2023	8	04 Nov 2023
Sprint-3	7	2 Days	05 Nov 2023	06 Nov 2023	7	06 Nov 2023

Velocity:

Team's Average Velocity for Sprint - 1 :

AV1 (Story points per day) = (story points / duration) = (21 / 8) = 2.625 points

Team's Average Velocity for Sprint - 2 :

AV2 (Story points per day) = (story points / duration) = (8 / 2) = 4 points

Team's Average Velocity for Sprint - 3 :

AV3 (Story points per day) = (story points / duration) = (7 / 2) = 3.5 points

Team's Average Velocity for Complete Project :

AV (Story points per day) = (AV1 + AV2 + AV3 / 3) = (2.625 + 4 + 3.5 / 3) = 3.375 points

Burndown Chart:

Burndown Chart

	25-10-2023	26-10-2023	27-10-2023	28-10-2023	29-10-2023	30-10-2023	31-10-2023	01-11-2023	02-11-2023	03-11-2023	04-11-2023	05-11-2023	06-11-2023
Actual effort	36	34	32	29	27	25	22	19	15	8	7	1	0
Planned	36	33	30	27	24	21	18	15	12	9	6	3	0

Dates

Actual effort — Planned