Project Planning Phase

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

Date	27 October 2023
Team ID	PNT2022TMID592348
Project Name	Project - Al-Driven Optimization of 5G Resource Allocation for Network Efficiency
Maximum Marks	8 Marks

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

Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Story Points	Team Members
		As a user, I want to register on the 5G			
Registration	USN-1		2	High	Isha
Registration	USN-2		1	Medium	Adithya
Login	USN-3		2	High	Vishnu
Login	USN-4		1	Medium	Isha
Dashboard	USN-5	with network metrics.	3	High	Adithya
Dashboard	USN-6	As a user, I want to customize my dashboard.	1	Medium	Vishnu
		As a user, I want to register on the 5G			
Registration	USN-7	optimization platform.	2	High	Isha
		As a registered user. I want to reset my			
Registration	USN-8		1	Medium	Adithya
3		,			
Login	USN-9		2	High	Vishnu
			<u>–</u>	g	
Login	USN-10		1	Medium	Isha
Login	0011 10		'	Woodalli	Iona
Dashboard	LICNI 11		2	High	Adithya
Dasiiboaid	0311-11	Hetwork metrics.	3	riigii	Aditilya
Dashboard	USN-12	As a user, I want to customize my dashboard.	1	Medium	Vishnu
	Requirement (Epic) Registration Registration Login Login Dashboard Dashboard Registration Registration Login Login Dashboard	Registration USN-1 Registration USN-2 Login USN-3 Login USN-4 Dashboard USN-5 Dashboard USN-6 Registration USN-7 Registration USN-7 Login USN-8 Login USN-9 Login USN-10 Dashboard USN-11	Registration Registration Registration USN-1 Registration USN-2 Login Login Login USN-4 Login Dashboard USN-5 Registration USN-6 Registration USN-7 Registration USN-7 Registration Dashboard USN-8 Registration USN-8 Registration USN-9 Registration USN-9 As a user, I want to log in to the 5G optimization platform. As a logged-in user, I want to log out securely. As a user, I want to view a dashboard with network metrics. As a user, I want to customize my dashboard. As a user, I want to register on the 5G optimization platform. As a registered user, I want to register on the 5G optimization platform. As a user, I want to log in to the 5G optimization platform. As a user, I want to log in to the 5G optimization platform. As a logged-in user, I want to log out securely. As a user, I want to view a dashboard with network metrics.	Requirement (Epic) Number Registration USN-1 As a user, I want to register on the 5G optimization platform. As a registered user, I want to reset my password. Login USN-3 optimization platform. Login USN-4 As a user, I want to log in to the 5G optimization platform. Login USN-4 As a logged-in user, I want to log out securely. Dashboard USN-5 As a user, I want to view a dashboard with network metrics. Dashboard USN-6 As a user, I want to customize my dashboard. Registration USN-7 optimization platform. Registration USN-8 As a user, I want to register on the 5G optimization platform. As a registered user, I want to reset my password. As a registered user, I want to reset my password. As a user, I want to log in to the 5G optimization platform. As a user, I want to log in to the 5G optimization platform. As a user, I want to log out securely. As a logged-in user, I want to log out securely. As a user, I want to view a dashboard with network metrics. 3	Registration USN-1 As a user, I want to register on the 5G optimization platform. 2 High Registration USN-2 Password. 1 Medium Registration USN-3 Password. 2 High Login USN-4 As a user, I want to log in to the 5G optimization platform. 2 High Login USN-4 Password. 2 High Login USN-5 Password. 2 High As a user, I want to log out securely. 1 Medium Pashboard USN-5 Password. 3 High Dashboard USN-6 Password. 3 High Registration USN-7 Password. 1 Medium Registration USN-8 Password. 1 Medium As a user, I want to customize my dashboard. 1 Medium As a user, I want to register on the 5G optimization platform. 2 High As a registered user, I want to reset my password. 1 Medium As a user, I want to log in to the 5G optimization platform. 2 High As a user, I want to log in to the 5G optimization platform. 2 High As a user, I want to log in to the 5G optimization platform. 2 High As a user, I want to log in to the 5G optimization platform. 2 High As a user, I want to log in to the 5G optimization platform. 2 High As a user, I want to log in to the 5G optimization platform. 2 High As a user, I want to log out securely. 1 Medium As a user, I want to log out securely. 3 High As a user, I want to view a dashboard with network metrics. 3 High

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

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:

