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

Date	28 October 2023
Team ID	4.2
Project Name	Network Anomaly Detection
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	I want to collect real-time network data for analysis	5	High	Charith
Sprint-1	Anomaly Detection	USN-2	I want to detect unusual patterns in network traffic	8	High	Pramodh
Sprint-2	Alert Generation	USN-3	I want to receive immediate alerts for potential network anomalies	3	Medium	Vishnu
Sprint-1	Data Visualization	USN-4	I want to visualize network traffic patterns and anomalies	5	Medium	Chetan
Sprint-1	Reporting	USN-5	I want comprehensive reports on network security and performance	8	Low	Pramodh

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	8	5 Days	30 Oct 2023	03 Nov 2023		
Sprint-2	8	5 Days	06 Nov 2023	10 Nov 2023		
Sprint-3	5	5 Days	13 Nov 2023	17 Nov 2023		
Sprint-4	8	5 Days	20 Nov 2023	24 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:

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