Project Planning Phase

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

Date	26 October 2023
Team ID	9.2
Project Name	AI-powered threat hunting tool
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	Set Up Data Inges on	USN-1	As a system administrator, I want to set up data inges on from various sources to start collec ng data for intrusion detec on.	5	High	Digvijay
Sprint-1	Preprocess Data for Analysis	USN-2	As a data analyst, I want to preprocess and normalize the collected data for effec ve analysis.	8	High	Tharchen
Sprint-2	Implement Intrusion Detection Rules Engine	USN-3	As a security expert, I want to implement a rules engine to detect known a ack pa erns and create alerts	13	High	Ramu
Sprint-3	Develop Real-Time Analysis Module	USN-4	As a data scien st, I want to develop a real- me analysis module that uses machine learning to detect anomalies.	20	High	Ramu

Sprint-4	Alert Management System	USN-5	As a security analyst, I want an alert management system to review and priori ze alerts.	8	Medium	Tharchen
Sprint-5	User Interface (UI) Design	USN-6	As a product owner, I want a user-friendly UI for monitoring and responding to alerts.	13	Medium	Digvijay
Sprint-6	Reporting and Analytics	USN-7	As a manager, I want a reporting and analytics module to track system performance and detect trends.	10	Low	Tharchen

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	4 Days	24 Oct 2023	29 Oct 2023	20	29 Oct 2023
Sprint-2	20	4 Days	31 Oct 2023	02 Nov 2023		
Sprint-3	20	4 Days	03 Nov 2023	06 Nov 2023		
Sprint-4	20	4 Days	07 Nov 2023	10 Nov 2023		
Sprint-5	20	4 Days	11 Nov 2023	14 Nov 2023		
Sprint-6	20	4 Days	15 Nov 2023	18 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