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

Date	30 October 2023
Team ID	10.4
Project Name	Project - AI-enhanced security analytics dashboard
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	Data Collection	USN-1	Collect data from various cybersecurity websites.	5	High	Dev, Diti, Abhishek, Aditi
Sprint-1		USN-2	Use real-time APIs to fetch data	2	Medium	Dev, Diti, Abhishek, Aditi

Sprint-2		USN-3	Get various news about different kinds of cybersecurity vulnerabilities.	2	Low	Dev, Diti, Abhishek, Aditi
Sprint-1	Data Storage	USN-4	To store the various data collected into different database applications.	5	High	Dev, Diti, Abhishek, Aditi
Sprint-2	Preprocessing	USN-5	Use Apache Kafka for stream processing of the data	5	High	Dev, Diti, Abhishek, Aditi
Sprint-3		USN-6	Use Tensorflow libraries to work on the given data	4	High	Dev, Diti, Abhishek, Aditi
Sprint-2	User Interface	USN-7	Use various coding languages like React.js to create a simple yet effective dashboard for the user.	5	High	Dev, Diti, Abhishek, Aditi
Sprint-3		USN-8	Have separate login implemented for users to see dashboard particular to their content.	3	Medium	Dev, Diti, Abhishek, Aditi
Sprint-3	Data Visualization	USN-9	Use tools like Kibana to show various data in a more readable format to the users.	5	High	Dev, Diti, Abhishek, Aditi

Sprint-4		USN-10	Have a feature to ask users for their suggestions.	2	Low	Dev, Diti, Abhishek, Aditi
Sprint-4	Scalability	USN-11	Use Docker to Scale the whole project.	5	High	Dev, Diti, Abhishek, Aditi
Sprint-4		USN-12	Have a better Database system to store the real time and other various data.	5	High	Dev, Diti, Abhishek, Aditi

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	12	6 Days	24 Oct 2023	29 Oct 2023	12	29 Oct 2023
Sprint-2	12	6 Days	31 Oct 2023	05 Nov 2023		
Sprint-3	12	6 Days	07 Nov 2023	12 Nov 2023		

Sprint-4	12	6 Days	14 Nov 2023	19 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)

$$AV = \frac{sprint\ duration}{Velocity} = \frac{12}{6} = 2$$

Burndown Chart: