Project Planning Phase

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

Date	26 October 2023
Team ID	7.3
Project Name	AI system that verifies user identities based on their online behavior patterns, adding an extra layer of security.
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	User Data Collection	US1	As an admin, I want to collect user data for analysis	5	High	Gauri Sharma, Nandigam Kamali Haripriya
Sprint 1	Data Preprocessing	US2	As a system, I need to clean and preprocess user data	3	High	Nandigam Kamali Haripriya, Paavan Kumar S,
Sprint 2	Behavioural Profiling	US3	As a system, I need to build user behaviour profile	8	High	Thanmaye Bhumireddy, Gauri Sharma
Sprint 2	Anomaly Detection	US4	As a system, I need to detect anomalies in user behaviour	6	High	Paavan Kumar S, Nandigam Kamali Haripriya
Sprint 3	Multi-Factor Authentication	US5	As a user, I want multi factor authentication	5	High	Gauri Sharma, Paavan Kumar S
Sprint 3	User Notification	US6	As a system, i need to notify users of anomalies	7	Medium	Nandigam Kamali Haripriya, Thanmaye Bhumireddy

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned) Story	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint 1	20	2 days	30-Oct-2023	31-Oct-2023	20	31-Oct-2023
Sprint 2	20	2 days	1-Nov-2023	2-Nov-2023	20	2-Nov-2023
Sprint 3	20	2 days	3-Nov-2023	4-Nov-2023	20	4-Nov-2023
Sprint 4	20	2 days	5-Nov-2023	6-Nov-2023	20	6-Nov-2023
Sprint 5	20	2 days	7-Nov-2023	8-Nov-2023	20	8-Nov-2023
Sprint 6	20	2 days	9-Nov-2023	10-Nov-2023	20	10-Nov-2023
Sprint 7	20	2 days	11-Nov-2023	12-Nov-2023	20	12-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)

$$\text{AV = sprint duration/velocity}$$
$$\text{AV = 6/20 = 0.3}$$

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.

	A	B	C	D
1	Day	Dates	Planned	Actual
2	Fri	13-Oct-2023	10	10
3	Sat	14-Oct-2023	9	9
4	Sun	15-Oct-2023	8	8
5	Mon	16-Oct-2023	7	7
6	Tues	17-Oct-2023	6	6
7	Wed	18-Oct-2023	6	7
8	Thurs	19-Oct-2023	6	6
9	Fri	20-Oct-2023	5	5
10	Sat	21-Oct-2023	4	4
11	Sun	22-Oct-2023	4	3
12	Mon	23-Oct-2023	3	2
13	Tues	24-Oct-2023	3	3
14	Wed	25-Oct-2023	2	2
15	Thurs	26-Oct-2023	1	1