

## Team 7.6

### Project Planning Phase

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

Date	30 October 2023
Team ID	7.6
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)

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	User Behavior Verification System	USN-1	As a user, I want to be able to create a profile and set up online behavior verification..	2	High	
Sprint-1		USN-2	As a user, I want the system to collect and analyze my online behavior data.	1	High	
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	
Sprint-1		USN-4	As a user, I want the system to verify my identity based on my online behavior patterns.	1	High	
Sprint-1	Login	USN-5	As a user, I want to receive notifications and alerts for any suspicious activity.	1	High	
Sprint-2	Data Collection and Analysis	USN-6	Collect data from various online platforms (e.g., social media, email, browsing history). Implement machine learning models for user behavior analysis.	1	High	
Sprint-2	Identity Verification	USN-7	Develop algorithms for identity verification based on behavior patterns. Implement a risk assessment system for verifying identity. Create user-friendly interfaces for users to interact with the verification	2	Medium	
Sprint -3	Notification and Alert System	USN-8	Develop a real-time notification system for users. Implement an alert system for the admin to take action on suspicious	3	High	
Sprint -4	System Administration and Reporting	USN-9	Develop an admin dashboard for system management.	2	Medium	

Sprint-4		USN-10	Create reporting and auditing features for administrators.	3	Low	
Sprint-5		USN-11	As a system administrator, I want the ability to generate and export detailed reports on user behavior patterns and identity verification results for compliance and auditing purposes.	2	High	

**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	5	5 Days	22 Aug 2023	02 Sept 2023	5	02 Sept 2023
Sprint-2	5	5 Days	28 Aug 2023	02 Sept 2023	5	02 Sept 2023
Sprint-3	3	5 Days	05 Sept 2023	10 Sept 2023	3	10 Sept 2023
Sprint-4	5	5 Days	12 Sept 2023	17 Sept 2023	5	17 Sept 2023
Sprint-5	2	5 Days	14 Sept 2023	19 Sept 2023	2	19 Sept 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)

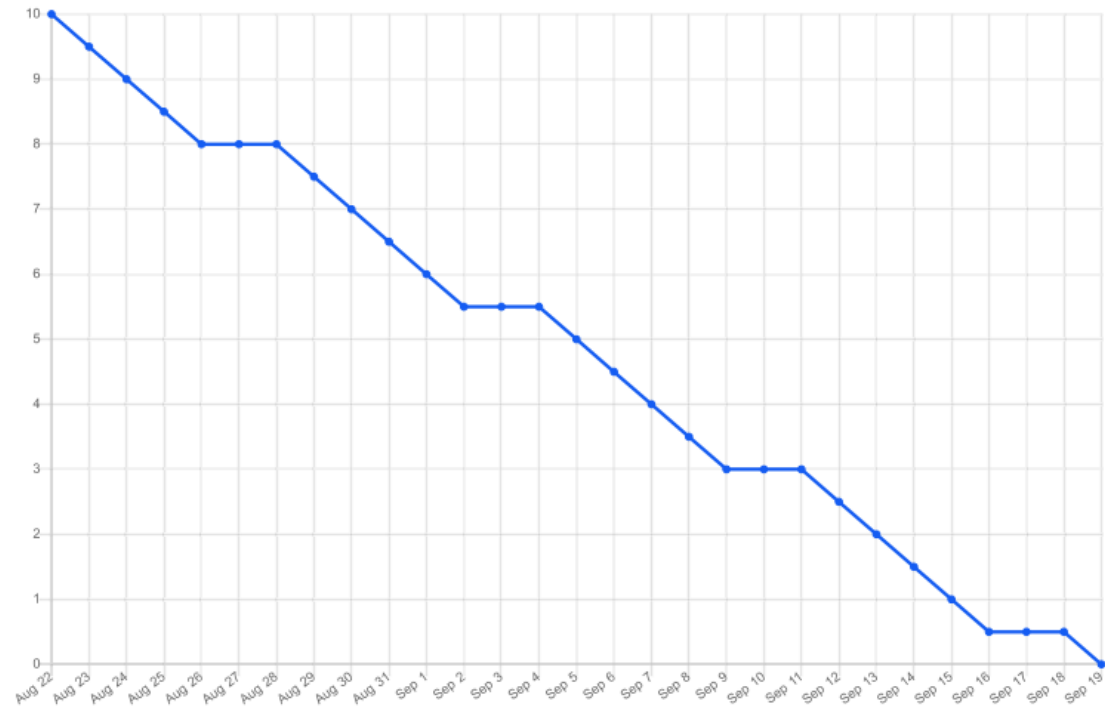
$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

$$AV = (5+5+3+5+2)/5 = 20/5 = 4$$

## 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.

Burndown Chart



## Sprint burndown

BETA



4 points done, 1 point to go



<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>