

## Project Planning Phase

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

Date	17 October 2023
Team ID	NM2023TMID07514
Project Name	Project - Data-Driven Insights on Olympic Sports Participation and Performance
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Anudhina D
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Ramya Rajendran
Sprint-1	Registration	USN-3	As a user, I can register for the application through Facebook	2	Low	Tejashri J

Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium	Yuvashree S
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Anudhina D
Sprint-2	Dashboard	USN-6	As a user, I can view a personalized dashboard with athlete performance insights.	3	High	Ramya Rajendran
Sprint-2	Dashboard	USN-7	As a coach, I can access a dashboard displaying athlete performance data and recommendations.	3	Medium	Tejashri J
Sprint-2	Data Analysis	USN-8	As a data analyst, I can upload athlete performance data for analysis.	5	High	Yuvashree S
Sprint-2	Data Analysis	USN-9	As a sports analyst, I can run historical performance analysis to identify trends and patterns.	5	Medium	Anudhina D
Sprint-3	Data Visualization	USN-10	As a data analyst, I can create custom data visualizations for athlete performance insights.	4	High	Ramya Rajendran

Sprint-3	Predictive Modeling	USN-11	As a coach, I can access predictive modeling tools to forecast athlete performance.	5	Low	Tejashri J
Sprint-4	Resource Allocation	USN-12	As an Olympic committee member, I want to receive resource allocation recommendations based on athlete data.	5	Medium	Yuvashree S
Sprint-4	Compliance Reporting	USN-13	As a compliance officer, I want the system to generate compliance reports to ensure regulatory requirements.	4	High	Tejashri J

**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	1 Day	16 Oct 2023	16 Oct 2023	16 Oct 2023	16 Oct 2023
Sprint-2	20	1 Day	17 Oct 2023	17 Nov 2023	17 Nov 2023	17 Nov 2023
Sprint-3	20	1 Day	18 Nov 2022	19 Nov 2023	19 Nov 2023	19 Nov 2023
Sprint-4	20	1 Day	19 Nov 2022	19 Nov 2023	19 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)

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

**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>