

Project Planning Phase

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

Date	12 November 2022
Team ID	PNT2022TMID48285
Project Name	Real Time Communication System Powered by AI for Specially Abled
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	Dinakar
Sprint-1	Authentication	USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Abitha
Sprint-1	Registration	USN-3	As a user, I can register for the application through Gmail	1	Low	Sarni
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	2	High	Sakthibalan
Sprint-2	Dashboard	USN-5	As a user, I must have one place to explore all available features.	3	High	Dinakar
Sprint-2	Login	USN-6	As a user, If i forget my Password, I must get an auto-generated password to rest my password.	2	Medium	Sakthibalan
Sprint-3	Help	USN-7	As a user, I must be able to reach out to the Support Team to get my issues resolved	1	Low	Sarni
Sprint-3	Management	USN-8	As a user, I can access the site using mobile/desktop.	3	High	Abitha
Sprint-4	System	USN-9	As a user, I must have access to previous usage history.	2	Medium	Dinakar

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	System	USN-10	As a user, I can have audio output as well as text output.	3	High	Sakthibalan

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	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

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>