

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID23360
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 with Gmail, password and other required information needed with a confirmed password.	5	High	Aparna
Sprint-1		USN-2	As a user, I will get a confirmation mail once I have registered for the application	10	High	Nandhithaa
Sprint-2		USN-3	As a user, I can register for the application through Facebook	5	Low	Sai Ramya
Sprint-3		USN-4	As a user, I can register for the application through Google	10	Medium	Sai Jahnavi
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	5	High	Aparna
Sprint-2	Dashboard	USN-6	As a user, After login to the application I can see the dashboard where I get all required information from the application.	5	Medium	Nandhithaa
Sprint-2	Image	USN-7	As a user, I can access my webcam for image capturing.	10	High	Sai Ramya
Sprint-4		USN-8	As a user,I want to invite my friends , so we can enjoy thi application together	5	Low	Sai Jahnavi
Sprint-4	Helpline	USN-9	As a customer care executive, I need to provide support to users for understanding and use the application to the fullest.	10	Medium	Aparna

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	FAQs	USN-10	As a customer care executive, I would have to answer queries in using the application while accessing it.	5	Medium	Sai Jahnavi
Sprint-3	Data access	USN-11	As an administrator, I would like to access user history for the reference in user communication	5	Medium	Nandhithaa
Sprint-3		USN-12	As an admin, I need to provide users with a good description of the application.	5	High	Sai Ramya

#### 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	10 Days	24 Oct 2022	08 Nov 2022	20	08 Nov 2022
Sprint-2	20	10 Days	09 Nov 2022	19 Nov 2022	20	19 Nov 2022
Sprint-3	20	10 Days	20 Nov 2022	30 Nov 2022	20	30 Nov 2022
Sprint-4	20	10 Days	1 Dec 2022	10 Dec 2022	20	10 Dec 2022

#### Velocity:

As 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)

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

#### **Burndown Chart:**

A burndown 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>