

## Project Planning Phase

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

Date	17 November 2022
Team ID	PNT2002TMID40612
Project Name	Real time Communication System Powered by AI for Specially Abled

#### 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	BHUVANESH K
Sprint-2	Action	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	KOKILA M
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	1	Medium	BHUVANESH K
Sprint-2	Dashboard	USN-4	As a user, I can log into my account in a given Dashboard	1	High	KOKILA M
Sprint-1	User interface	USN-5	Professional responsible for user requirements & needs	1	High	BHUVANESH K
Sprint-3	Objective	USN-6	The goal is to describe all the inputs and outputs	1	High	KOKILA M
Sprint-4	Privacy	USN-7	The developed application should be secure for the users	1	High	JAYASUDHA K

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	20	6 Days	6 Nov 2022	16 Nov 2022	20	16 Nov 2022
Sprint-2	20	6 Days	11 Nov 2022	17 Nov 2022	20	17 Nov 2022
Sprint-3	20	6 Days	13 Nov 2022	19 Nov 2022	20	19 Nov 2022
Sprint-4	20	6 Days	15 Nov 2022	20 Nov 2022	20	20 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)

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

## 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.

