# Project Planning Phase

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

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|---|---|
| Date | 30 OCTOBER 2022 |
| Team ID | PNT2022TMID34132 |
| 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 | Kota Sravan Kumar<br>G Sumanth Nath Reddy |
| Sprint-2 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Kota Sravan Kumar |
| Sprint-1 | Login | USN-3 | As a user, I can log into the application by entering email & password | 1 | Medium | K Sravan Kumar<br>K Ramesh |
| Sprint-2 | Dashboard | USN-4 | As a user, I can log into my account in a given Dashboard | 1 | High | K Sravan Kumar<br>G Sumanth |
| Sprint-1 | User interface | USN-5 | Professional responsible for user requirements & needs | 1 | High | K Sravan Kumar<br>K Ramesh |
| Sprint-3 | Objective | USN-6 | The goal is to describe all the inputs and outputs | 1 | High | K Sravan Kumar<br>PV Sai Teja |
| Sprint-4 | Privacy | USN-7 | The developed application should be secure for the users | 1 | High | K Sravan Kumar<br>PV Sai Teja |

**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 | 30 OCT 2022 | 04 Nov 2022 | 20 | 04 Nov 2022 |
| Sprint-2 | 20 | 6 Days | 04 Nov 2022 | 09 Nov 2022 | 20 | 09 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 09 Nov 2022 | 14 Nov 2022 | 20 | 14 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 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)

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

**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.