

## Project Planning Phase

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

|               |   |
|---------------|---|
| Date          | 18 October 2022   |
| Team ID       | PNT2022TMID07105  |
| Project Name  | Project - Real Time Communication System<br>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     | Priyanka       |
| Sprint-2 |                               | USN-2             | As a user, I will receive confirmation email once I have registered for the application                   | 1            | High     | Savitha        |
| Sprint-1 | Login                         | USN-3             | As a user, I can login through username and password  | 2            | Low      | Shanmuga priya |
| Sprint-2 | Dashboard                     | USN-4             | As a user, I can login to the dashboard   | 2            | Medium   | Yasmi Devi     |
| Sprint-1 | User Interface                | USN-5             | Need user requirements and needs  | 1            | High     | Shanmuga priya |
| Sprint-3 | Objective                     | USN-6             | To achieve all inputs and outputs   | 1            | High     | Priyanka       |
| Sprint-4 | Privacy                       | USN-7             | To make sure of the privacy for the user  | 1            | High     | Yasmi Devi     |

**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               | 20  | 05 NOV 2022                  |
| Sprint-3 | 20                 | 6 Days   | 07 Nov 2022       | 12 Nov 2022               | 20  | 12 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)

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

**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.

