Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 04 November 2022 |
| Team ID | PNT2022TMID54147 |
| Project Name | Project - 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 | User Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password or through Gail, Facebook. | 20 | High | Shruthi.s Abitha.K Ruthra Devi.M Rebekka.P |
| Sprint-2 | Data Input | USN-2 | As a user, I will be giving the input via Camera as sign language or via speech. | 20 | High | Shruthi.s Abitha.K Ruthra Devi.M Rebekka.P |
| Sprint-3 | Data Verification | USN-3 | Once the user gives the data input via sign languages or speech it verifies with the database. | 20 | High | Shruthi.s Abitha.K Ruthra Devi.M Rebekka.P |
| Sprint-4 | Final Delivery | USN-4 | Verifies with the data set and converts the input to text messages. | 20 | High | Shruthi.s Abitha.K Ruthra Devi.M Rebekka.P |

# 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 | 29 Oct 2022 | 01 Nov 2022 | 20 | 04 Nov 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 04 Nov 2022 | 20 | 04Nov 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)



# Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile [software development](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). However, burn down charts can be applied to any project containing measurable progress over time.

