Project Planning Phase

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

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| Team ID | PNT2022TMID02268 |
| Project Name | Real-Time Communication System Powered by AI for Specially Abled |

# Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement**  **(Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 | User Input | USN-1 | As a user, I can input my sign-language to the system for processing. | 10 | Low | Surya Narayanan, Goutham Raj |
| Sprint-1 | User Input | USN-2 | As a user, I can input sign-language images to the system for processing. | 10 | High | Balapathy, Surya Narayanan |
| Sprint-2 | User Input | USN-3 | As a user, I can make sure the input is captured  correctly by the system. | 5 | Medium | Surya Narayanan,  Santhosh |
| Sprint-2 | Processing | USN-4 | As a user, I can ensure that the sign-language  input is correctly getting translated into normal message and voice. | 10 | Medium | Surya Narayanan,  Santhosh, Goutham Raj |
| Sprint-1 | Processing | USN-5 | As a user, I can get acknowledgement from the system about the processing of the input. | 5 | High | Balapathy, Surya Narayanan |
| Sprint-3 | Processing | USN-6 | As a user, I will get feedback about the processing of the system. | 10 | Low | Surya Narayanan, Goutham Raj |
| Sprint-1 | System Output | USN-7 | As a user, I can acknowledge the output of the system by ensuring messages are displayed. | 5 | High | Surya Narayanan, Balapathy |
| Sprint-2 | System Output | USN-8 | As a user, I can get feedback about the system from its output. | 5 | Medium | Surya Narayanan, Santhosh |

**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 |  | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 |  | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 |  | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 |  | 19 Nov 2022 |

# Velocity:

The team’s average velocity (AV) per iteration unit (story points per day):



# 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](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.

