

Project Planning Phase

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

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| Date | 18 October 2022 |
| Team ID | PNT2022TMID26243 |
| Project Name | Real-Time Communication System Powered By AI For Specially Abled |
| Maximum Marks | 8 Marks |

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

| 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. | 3 | High | YUVARAJ S |
| Sprint-1 | User Confirmation | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | Low | YUVARAJ S |
| Sprint-1 | User Login | USN-3 | As a user, I can log into the application by entering email & password | 2 | High | SURYAPRAKASH K S |
| Sprint-2 | Dashboard User Interface | USN-4 | As a user, I can select buttons available in the dashboard to give Image input | 3 | High | SURYAPRAKASH K S |
| Sprint-2 | User Input | USN-6 | As a user, I can give image input | 2 | High | PRIYAADARSHAN B |
| Sprint 4 | Display Sign Language Gallery | USN-5 | As a user, I can select the sign from the gallery | 1 | Low | THARUNKUMAR R |
| Sprint-3 | Hand Gesture Recognition | USN-7 | As a user, I can select hand gesture recognition to get the equivalent text or audio | 3 | High | PRIYAADARSHAN B |
| Sprint-3 | Translation Process | USN-8 | As a user, I can select translate option to get text or audio | 2 | High | LOKESHWARAN V |
| Sprint-4 | Output Process | USN-9 | As a user, I can select the output button to get the response | 2 | High | LOKESHWARAN V |
| Sprint-4 | Admin Console | USN-10 | As a admin, I can maintain the app by setting /resetting login credentials , uploading images in gallery , language : default : English for translation | 2 | Low | THARUNKUMAR R |

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 | 6 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | | |
| Sprint-2 | 5 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | | |
| Sprint-3 | 5 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | | |
| Sprint-4 | 6 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | | |

Velocity :

Average Velocity = Velocity / Sprint Duration

- Average Velocity → AV
- Velocity → Points per sprint
- Sprint Duration → Number of days per sprint

1. Sprint – 1: $AV = 6/6 = 1$
2. Sprint – 2: $AV = 5/6 = 0.834$
3. Sprint – 3: $AV = 5/6 = 0.834$
4. Sprint – 4: $AV = 6/6 = 1$