

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

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| Date | 24 October 2022 |
| Team ID | PNT2022TMID29664 |
| Project Name | Real time Communication System Powered by AI for Specially Abled |
| 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 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 8 | High | Hemamalini S Akram S |
| Sprint-2 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 10 | High | Hemamalini S Akram S |
| Sprint-1 | Login | USN-3 | As a user, I can log into the application by entering email & password | 5 | Medium | Hemakumar A Harinesh M K |
| Sprint-2 | Dashboard | USN-4 | As a user, I can log into my account in a given Dashboard on any time | 10 | High | Akram S |
| Sprint-1 | User interface | USN-5 | Professional responsible for user requirements & needs | 7 | High | Hemamalini S |

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|----------|------------------------------|-------|--|----|--------|---------------------------|
| Sprint-3 | Model initialization | USN-6 | Training and testing the model | 10 | High | Hemamalini S Hemakumar A |
| Sprint-3 | Objective | USN-7 | Converting hand sign to text and text to speech | 10 | High | Hemamalini S Harinesh M K |
| Sprint-4 | Privacy | USN-8 | The developed application should be secure for the users | 10 | High | Hemakumar A |
| Sprint-4 | Check the performance of app | USN-9 | check the usage and queries obtained from the end users. | 10 | Medium | Harinesh M K |

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:

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

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.

