

Project Planning Phase

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

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| Date | 11 November 2022 |
| Team ID | PNT2022TMID42820 |
| 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 | Registration | USN-1 | Not Required | 2 | High | - |
| Sprint-1 | Login | USN-2 | Not Required | 1 | High | - |
| Sprint-1 | Main page | USN-4 | As a User, I can enter the web page once clicked, which provides be the Guidelines to use the app | 1 | Medium | NAGENDRA PRASANTH A SAI VIGNESH S |
| Sprint-1 | Guidelines | USN-5 | As a User , I can give a read through the guidelines to understand the functioning of the app. | 1 | Medium | NAGENDRA PRASANTH A SAI VIGNESH S SIVA BALAJI P |
| Sprint-2 | Convert Sign | USN-6 | As a User, I can click the button Convert sign , which directs me towards the Main screen | 4 | Medium | NAGENDRA PRASANTH A SAI VIGNESH S SIVA BALAJI P KRISHNA RAJ R |

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|----------|--|-------------------|---|--------------|----------|--|
| Sprint-2 | Camera(Hand movement detection) | USN-7 | As a User, I can show my hand sign towards the camera which converts them into text manner. | 8 | High | NAGENDRA PRASANTH A SAI VIGNESH S |
| Sprint-3 | Voice mode | USN-8 | Once the text is obtained, As a User I can click on the voice mode which provides the text in the form of speech. | 3 | High | NAGENDRA PRASANTH A SAI VIGNESH S SIVA BALAJI P |
| Sprint-1 | Provide the necessary functionalities required to use the app. | | As an Executive, I can provide the Specifications of Camera required, and other factors that are required for smooth functioning of the app. | 1 | Low | NAGENDRA PRASANTH A SAI VIGNESH S |
| Sprint-4 | Check the performance of the app | | As an Executive, I can check the usage and queries obtained from the end users. | 1 | Medium | NAGENDRA PRASANTH A SIVA BALAJI P |
| Sprint-4 | Receive queries based on the usage | | As an Admin, I can take the queries from the customer care and perform the testing phase again , loading the other signs in the dataset, in order to make the customers to use the app effectively. | 2 | High | NAGENDRA PRASANTH A SIVA BALAJI P SAI VIGNESH S ANANDARAJ 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 | 6 | 6 Days | 06 Nov 2022 | 12 Nov 2022 | | 12 Nov 2022 |
| Sprint-2 | 12 | 12 Days | 01 Nov 2022 | 12 Nov 2022 | | 12 Nov 2022 |
| Sprint-3 | 3 | 3 Days | 13 Nov 2022 | 15 Nov 2022 | | 15 Nov 2022 |
| Sprint-4 | 4 | 4 Days | 17 Nov 2022 | 20 Nov 2022 | | 20 Nov 2022 |
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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.

