

Project Planning Phase

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

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|---------------|---|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID00995 |
| 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 | GAYATHRI.M DHATCHAYINI. B JYOTHISREE.M LIVAPRIYA.R SHRUTHILAYAA |
| 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 | GAYATHRI.M DHATCHAYINI. B JYOTHISREE.M LIVAPRIYA.R SHRUTHILAYAA |
| 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 | GAYATHRI.M DHATCHAYINI. B JYOTHISREE.M LIVAPRIYA.R SHRUTHILAYAA |
| Sprint-4 | Final Delivery | USN-4 | Verifies with the data set and converts the input to text messages. | 20 | High | GAYATHRI.M DHATCHAYINI. B JYOTHISREE.M LIVAPRIYA.R SHRUTHILAYAA |

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:

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 burndown 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.

