

Project Planning Phase

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

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| Date | 18 October 2022 |
| Project Name | Real time Communication 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 | Login | USN-1 | As a user, I don't need to enter any credentials and login because it is for only communication. | 2 | High | Ramkumar,Aakash, Dinesh,Dhanush, Jerold. |
| | Dashboard | | A home page will be available which helps to enter to next page. | 1 | Low | Ramkumar,Aakash, Dinesh,Dhanush, Jerold. |
| Sprint-2 | Help Screen | | After the home page, it will direct you the next page which contains 2 options. | 2 | Low | Ramkumar,Aakash, Dinesh,Dhanush, Jerold. |
| Sprint-3 | Option1 | | Sign language into Text/speech. | 2 | High | Ramkumar,Aakash, Dinesh,Dhanush, Jerold. |
| Sprint-4 | Option2 | | Text /Speech into Sign language. | 1 | High | Ramkumar,Aakash, Dinesh,Dhanush, Jerold. |

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 | 10 | 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 |
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Velocity:

Imagine we have a 6-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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{6}{20} = 3.33$$

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.

