

Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

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|---------------|---|
| Date | 28 October 2022 |
| Team ID | PNT2022TMID41172 |
| 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)

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 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | Subhasree S.A Janani S |
| Sprint-1 | Registration | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Kiruthika M Saraswathi Devi T |
| Sprint-2 | Registration | USN-3 | As a user, I can register for the application through phone number | 2 | Medium | Janani s Saraswathi Devi T |
| Sprint-2 | User interface | USN-4 | Professional responsible for user requirements & needs | 2 | Medium | Subhasree S.A Kiruthika M |
| Sprint-3 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | Saraswathi Devi T Subhasree S.A |
| Sprint-3 | Dashboard | USN-6 | As a user, I must receive any updates or pop ups in my dashboard | 2 | High | Kiruthika M Janani S |
| Sprint-4 | Details | USN-7 | As a user, I should get notification about the progress and any updates via email or sms | 1 | Medium | Janani S Subhasree S.A |

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|----------|---------|-------|--|---|------|-------------------------------|
| Sprint-4 | Privacy | USN-8 | The developed application should be secure for the users | 2 | High | Janani S Saraswathi Devi T |
|----------|---------|-------|--|---|------|-------------------------------|

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 | 30 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 | 13 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 29 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)

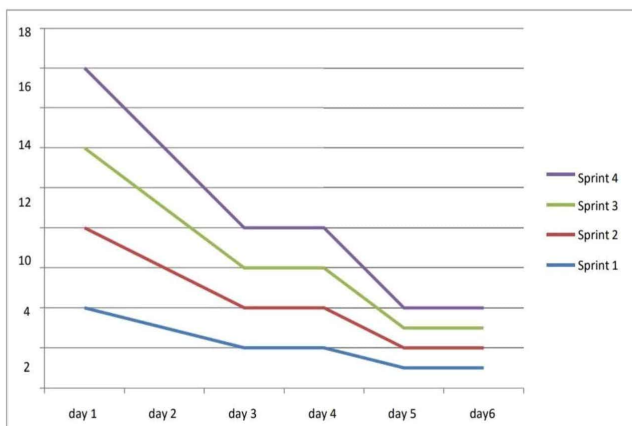
$$AV = \frac{\text{sprint duration}}{\text{velocity}}$$

$$AV = 6/10 = 0.6$$

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.

SPRINT SCHEDULE CHART:



SPRINT BURNDOWN CHART:

