

Project Planning Phase

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

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|---------------|--|
| Date | 22 October 2022 |
| Team ID | PNT2022TMID40538 |
| 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 | Data Collection | USN-1 | Collect Dataset . | 9 | High | Abinaya R Anusia M |
| Sprint-1 | | USN-2 | Image preprocessing | 8 | Medium | Abinaya R Anusia M |
| Sprint-2 | Model Building | USN-3 | Import the required libraries, add the necessary layers and compile the model | 10 | High | Monika G Durga S |
| Sprint-2 | | USN-4 | Training the image classification model using CNN | 7 | Medium | Abinaya R Anusia M |
| Sprint-3 | Training and Testing | USN-5 | Training the model and testing the model's performance | 9 | High | Abinaya R Monika G |
| Sprint-4 | Implementation of the application | USN-6 | Converting the input sign language images into English alphabets | 8 | Medium | Anusia M Durga S |

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 | 10 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 8 | 29 Oct 2022 |
| Sprint-2 | 10 | 6 Days | 31 Oct 2022 | 04 Nov 2022 | 5 | 04 Nov 2022 |
| Sprint-3 | 10 | 6 Days | 07 Nov 2022 | 11 Nov 2022 | 7 | 11 Nov 2022 |
| Sprint-4 | 10 | 6 Days | 14 Nov 2022 | 18 Nov 2022 | 5 | 18 Nov 2022 |

Velocity:

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

$$AV = 6/10 = 0.6$$

Burndown chart:



SPRINT BURNDOWN CHART:

