

Project Planning Phase

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

| | |
|---------------|---|
| Date | 09 November 2022 |
| TeamID | PNT2022TMID00668 |
| 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 | SHAKTHI SRI S SARAH JACI J RAVEENA M |
| Sprint-1 | | USN-2 | Image preprocessing | 8 | Medium | RAVEENA M SHAFREEN FATHIMA |
| Sprint-2 | Model Building | USN-3 | Import the required libraries, add the necessary layers and compile the model | 10 | High | SHAKTHI SRI S SARAH JACI J |
| Sprint-2 | | USN-4 | Trainingthe image classification model using CNN | 7 | Medium | SARAH JACI J SHAFREEN FATHIMA |
| Sprint-3 | Training and Testing | USN-5 | Training the model and testing the model's performance | 9 | High | SHAKTHI SRI S SHAFREEN FATHIMA |
| Sprint-4 | Implementation of the application | USN-6 | Converting theinput sign language images into English alphabets | 8 | Medium | SHAKTHI SRI S RAVEENA M |

Project Tracker, Velocity & Burndown Chart: (4 Marks)

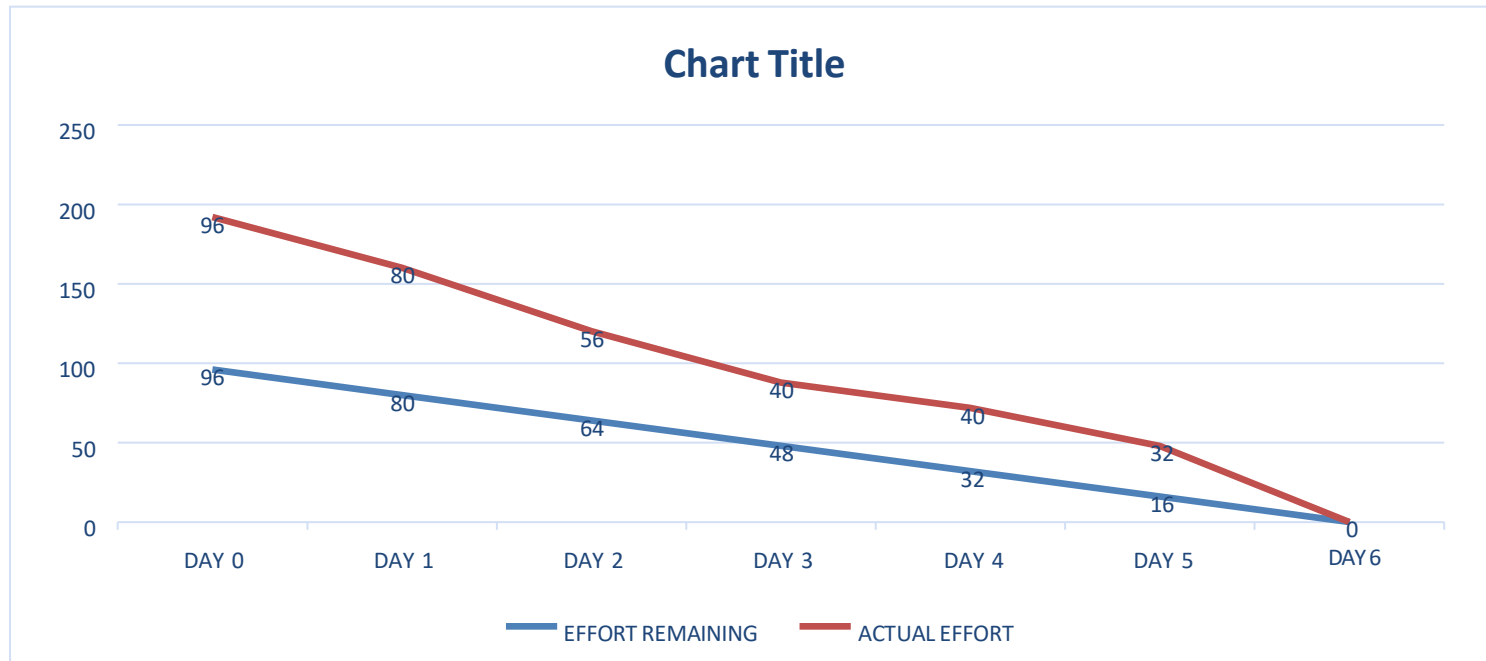
| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed (as on Planned End Date) | Sprint Release Date(Actual) |
|---------------|---------------------------|-----------------|--------------------------|----------------------------------|--|------------------------------------|
| 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:

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

$$AV = 6/10 = 0.6$$

Sprint Burndown chart:



BURNDOWN CHART:

