# Project Planning Phase

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

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| --- | --- |
| Date | 22 October 2022 |
| Team ID | PNT2022TMID46549 |
| 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)

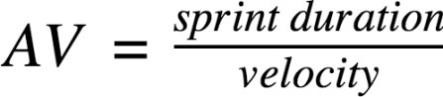
Use the below template to create product backlog and sprint schedule

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 | PAVAN KUMAR M,  YUVARAJ R |
| Sprint-1 |  | USN-2 | Image preprocessing | 8 | Medium | PAVAN KUMAR M,  YUVARAJ R |
| Sprint-2 | Model Building | USN-3 | Import the required libraries, add the necessary layers and compile the model | 10 | High | BALACHANDHAR V,  HARIPRASAD J |
| Sprint-2 |  | USN-4 | Training the image classification model using CNN | 7 | Medium | BALACHANDHAR V,  HARIPRASAD J |
| Sprint-3 | Training and  Testing | USN-5 | Training the model and testing the  model’s performance | 9 | High | PAVAN KUMAR M,  BALACHANDHAR V. |
| Sprint-4 | Implementation of the application | USN-6 | Converting the input sign language images into English alphabets | 8 | Medium | YUVARAJ R,  HARIPRASAD J. |

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 = 6/10 = 0.6**

# Burndown chart:

**Chart Title**

250

200

96

150

80

56

100

96

80

40

64

40

50

48

32

32

16

0

DAY 0

DAY 1

DAY 2

DAY 3

DAY 4

DAY 5

0

DAY 6

EFFORT REMAINING

ACTUAL EFFORT

SPRINT BURNDOWN CHART:

