**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 15 NOV 2022 |
| Team ID | **PNT2022TMID50033** |
| Project Name | Project - Real Time Communication System Powered by AI for Specially Abled |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation**

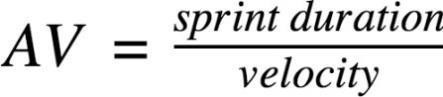
Use the below template to create product backlog and sprint schem

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 | Thanalakshmi C Subalakshmi M  Mahalakshmi T  Velvalli P |
| Sprint-1 |  | USN-2 | Image preprocessing | 8 | Medium | Thanalakshmi C  Subalakshmi M  Mahalakshmi T  Velvalli P |
| Sprint-2 | Model Building | USN-3 | Import the required libraries, add the necessary layers and compile the model | 10 | High | Thanalakshmi C  Subalakshmi M  Mahalakshmi T  Velvalli P |
| Sprint-2 |  | USN-4 | Training the image classification model using CNN | 7 | Medium | Thanalakshmi C  Subalakshmi M  Mahalakshmi T  Velvalli P |
| Sprint-3 | Training and Testing | USN-5 | Training the model and testing the model’s performance | 9 | High | Thanalakshmi C  Subalakshmi M  Mahalakshmi T  Velvalli P |
| Sprint-4 | Implementation of the application | USN-6 | Converting the input sign language images into English alphabets | 8 | Medium | Thanalakshmi C  Subalakshmi M  Mahalakshmi T  Velvalli P |

**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**

25

0

20

0

96

15

0

80

56

10

0

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

EFFORT

REMAINING

ACTUAL

EFFORT

**SPRINT BURNDOWN CHART:**

