**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID40359 |
| Project Name | A Novel Method for Handwritten Digit Recognition System |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

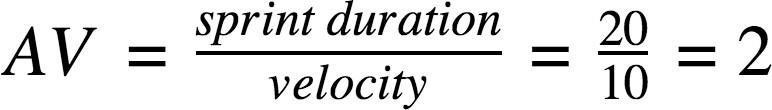
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement**  **(Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-1 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 3 | High | Mohan kumar |
| Sprint-1 | Login | USN-2 | As a user, I can log into the application by entering email & password | 3 | High | Ramya |
| Sprint-2 | Upload Image of digital document | USN-3 | As a user, I can able to input the images of digital documents to the application | 2 | Medium | Sindhu |
| Sprint-2 | Prediction | USN-4 | As a user, I can predict the word | 2 | Medium | Subash |
| Sprint-3 | Upload Image of Handwritten document | USN-5 | As a user, I can able to input the images of the handwritten documents or images to the application | 3 | High | Mohan kumar |
| Sprint-3 | Recognize text | USN-6 | As a user, I can able to choose the font of the text to be displayed | 2 | Medium | Ramya |
| Sprint-4 | Recognize digit | USN-7 | As a user I can able to get the recognised digit as output from the images of digital documents or images | 2 | Medium | Sindhu |
| Sprint-4 | Recognize digit | USN-8 | As a user I can able to get the recognised digit as output from the images of handwritten documents or images | 3 | High | Subash |

**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 | 06 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 06 | 29 Oct 2022 |
| Sprint-2 | 04 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 04 | 05 Nov 2022 |
| Sprint-3 | 05 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 05 | 12 Nov 2022 |
| Sprint-4 | 05 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 05 | 19 Nov 2022 |

**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(SPRINT 1)= 6/6 =1**

**AV(SPRINT 2)= 4/6 = 0.6**

**AV(SPRINT 3)= 5/6 = 0.8**

**AV(SPRINT 4)= 5/6 = 0.8**

**AV(TOTAL)= 20/24 = 0.83**

**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 me](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/)thodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) However, burn down charts can be applied to any project containing measurable progress over time.

