# Project Planning Phase

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

| Date | 22 October 2022 |
| --- | --- |
| Team ID | PNT2022TMID35407 |
| Project Name | A Novel Method for Handwritten Digit Recognition System |
| Maximum Marks | 8 Marks |

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

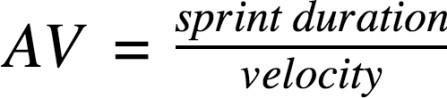
Use the below template to create product backlog and sprint schedule

| **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 | Siva Murugan S |
| Sprint-1 |  | USN-2 | Reshape the data and apply one hot encoding | 8 | Medium | Siva Murugan S,Surendhiran V |
| Sprint-2 | Model Building | USN-3 | Import the required libraries, add the necessary layers and compile the model | 10 | High | Surendhiran V |
| Sprint-2 |  | USN-4 | Training the image classification model using CNN | 7 | Medium | Manojh US |
| Sprint-3 | Training and  Testing | USN-5 | Building Python code and run the application | 9 | High | Jainulabudeen A |
| Sprint-4 | Implementation of the application and  deployment on cloud | USN-6 | Training the model on IBM cloud. | 8 | Medium | Manojh US,Jainulabudeen A |

**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:

