**Project Planning Phase**

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

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| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID27135 |
| Project Name | A Novel Method for Handwritten Digit Recognition System |
| Maximum Marks | 4 Marks |

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

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **User Type** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** | **Team Members** |
| Customer  (Mobile user) | Home | USN-1 | As a user, I can able to know about the application and read the instruction to usage of mobile app. | I can view the instruction about application. | High | Sprint-1 | TM-1 |
|  |  | USN-2 | As a user, I am allowed to view Demo video for using the application. | I can gain Knowledge from Demo Video. | High | Sprint-4 | TM-2,TM-1 |
|  |  | USN-3 | As a user, I can access the MNIST dataset from my Drive Files. | I can access the MNIST dataset to get the output. | Low | Sprint-2 | TM-3 |
|  | Upload | USN-4 | As a user, I have access to upload the dataset from my Drive Files or from other Files. | I can upload the image from System Storage. | Medium | Sprint-1 | TL |
|  | Result | USN-5 | As a user, I can able to view the result of uploaded image as my predicted output. | I can able to view the result of uploaded image. | High | Sprint-1 | TM-1,TM-2 |
| Customer (Web  View) | Home | USN-6 | As a user, I can read the information about the Web application. | I can read and gain knowledge about the web application. | High | Sprint-1 | TM-3,TL |
|  | Pre-Processing | USN-7 | As a user, I will train and test the input. | I can able to train and test the input data | High | Sprint-4 | TM-1,TM-2 |
|  | Recognize | USN-8 | As a user, I can recognize how the input is evaluated. | I can able to know the Evolution of input. | Low | Sprint-2 | TM=3 |
|  | Predict | USN\_9 | As a user, I am able to predict the image. | I can able to predict the image. | Medium | Sprint-3 | TL |
|  | Accuracy | USN\_10 | As a user, I can see the accuracy of my input image as output result. | I can able to view the resulted output. | High | Sprint-1 | TM-2,TM-3 |

**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 | 15 |  |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 |  |  |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 |  |  |
|  |  |  |  |  |  |  |
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**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)

