**Project Planning Phase**

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

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| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID31649 |
| Project Name | A Novel Method for Handwritten Digit Recognition System |
| Maximum Marks | 8 Marks |

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

| **Sprint** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- |
| Sprint - 1 | USN-1 | Get the dataset | 3 | High | Sanjai Raj S  Suveksha A |
| USN-2 | Explore the data | 2 | Medium |
| USN-3 | Data Pre-Processing | 3 | High |
| USN-4 | Prepare training and testing data | 3 | High |
| Sprint - 2 | USN-5 | Create the model | 3 | High | Rakshitha S  Vishnukumar L  Sanjai Raj S |
| USN-6 | Train the model | 3 | High |
| USN-7 | Test the model | 3 | High |
| Sprint - 3 | USN-8 | Improve the model | 2 | Medium | Vigneshwaran A  Suveksha A |
| USN-9 | Save the model | 3 | High |
| USN-10 | Build the Home Page | 3 | High |
| USN-11 | Setup a database to store input images | 2 | Medium |
| Sprint - 4 | USN-12 | Build the results page | 3 | High | Rakshitha S  Vishnukumar L  Vigneshwaran A |
| USN-13 | Integrate the model with the application | 3 | High |
| USN-14 | Test the application | 3 | High |

**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 | 11 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 11 | 29 Oct 2022 |
| Sprint-2 | 9 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 9 | 05 Nov 2022 |
| Sprint-3 | 10 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 10 | 12 Nov 2022 |
| Sprint-4 | 9 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 9 | 19 Nov 2022 |



