**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID24883 |
| Project Name | Project – 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 | User Login | USN-1 | The user will be presented with two options.  1. Sign-in your account if it already exists.  2. Sign-up if you are new. | 1 | Low | Moniessh P  Kishore Kumar L  Shyam Gopal  Tarun K |
| Sprint -1 | Dashboard | USN-2 | Go to dashboard and see the available features   1. Open camera (allow permission) 2. Upload picture |  |  | Moniessh P  Kishore Kumar L  Shyam Gopal  Tarun K |
| Sprint-2 | Training the model | USN-3 | Comparing the input with the existing data. | 2 | Medium | Moniessh P  Kishore Kumar L  Shyam Gopal  Tarun K |
| Sprint-3 | Prediction | USN-4 | Predict the correct output or get an output similarity of 90%. | 2 | High | Moniessh P  Kishore Kumar L  Shyam Gopal  Tarun K |
| Sprint-4 | Evaluation Metrics | USN-5 | Finally the correct prediction is given as output to the user. | 2 | High | Moniessh P  Kishore Kumar L  Shyam Gopal  Tarun K |
| Sprint-1 | Exit | USN-6 | Click exit button to exit from the application | 1 | Low | Moniessh P  Kishore Kumar L  Shyam Gopal  Tarun K |

**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 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 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)



**Burndown Chart:**

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile[software development](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies 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.