Project Planning Phase

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

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| --- | --- |
| Date | 9 NOVEMBER 2022 |
| Team ID | PNT2022TMID2663 |
| 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 and pre-processing | USN-1 | As a user, I can upload any kind of image with the pre-processing step is involved in it. | 10 | High | Sindhudharshini.R |
| Sprint-1 |  | USN-2 | As a user, I can upload the image in any resolution | 10 | High | Sangavi.M |
| Sprint-2 | Building the machine learning model | USN-3 | As a user, I will get a application with ML model which provides high accuracy of recognized  handwritten digit | 10 | Medium | Sushmitha.S.R |
|  |  | USN-4 | As a user, I can pass the handwritten digit image for recognizing the digit. | 10 | Medium | Tiyaladha.G |
| Sprint-3 | Application Building | USN-5 | As a user, I access and read the instructions. | 5 | High | Sangavi.M  SindhuDharshini.R |

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| --- | --- | --- | --- | --- | --- | --- |
|  |  | USN-6 | As a user, I can use the next button to navigate to the recognition page. | 2 | Medium | Tiyaladha.G  Sushmitha.S.R |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
|  |  |  |  |  |  |  |
|  |  | USN-7 | As a user I can upload the hand written digit image to the website. | 6 | High | Sushmitha.S.R |
|  |  | USN-8 | As a user, I can see the predicted / recognized digits in the application | 7 | Medium | Sangavi.M  SindhuDharshini.R |
| Sprint -4 | Train and deployment of model in IBM cloud | USN-9 | As a user, I can access the web application and make the use of the product from anywhere | 20 | High | Tiyaladha.G  Sushmitha.S.R |

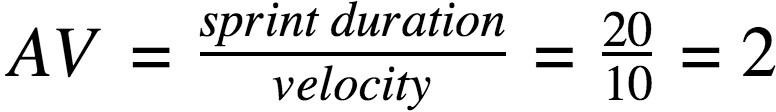
# Project Tracker, Velocity & Burndown Chart: (4 Marks)

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| --- | --- | --- | --- | --- | --- | --- |
| **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

