**Project Planning Phase**

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

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| Date | 18 October 2022 |
| Team ID | PNT2022TMID43387 |
| 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 & pre processing | USN-1 | As a user, I can upload any kind of image that has gone through the pre-processing step. | 10 | High | Prakalya E, Aswathi R, Yazhini Kannan |
| Sprint-1 |  | USN-2 | As a user, I can upload the image in any resolution. | 10 | High | Shakthi K, Aswathi R, Yazhini Kannan |
| Sprint-2 | Building the Machine learning model | USN-3 | As a user, I will receive an application with a machine learning model that is highly accurate at recognizing digits written by hand. | 5 | Medium | Yazhini Kannan, Shakthi K |
| Sprint-2 |  | USN-4 | As a user, I can show the image of the handwritten number for them to recognize. | 5 | Medium | Prakalya E, Aswathi R |
| Sprint-2 |  | USN-5 | As a user, I am able to obtain the ideal recognized digit. | 10 | High | Prakalya E, Aswathi R, Shakthi K |
| Sprint-3 | Building User Interface for Web Application | USN-6 | As a user, I will use an upload button to add the image of the handwritten digits to the application. | 5 | Medium | Aswathi R, Shakthi K |
| Sprint-3 |  | USN-7 | As a user, I can be aware of the application's fundamental usage in detail. | 3 | Low | Prakalya E |
| Sprint-3 |  | USN-8 | As a user, in the application, I may see the anticipated or recognised digits. | 5 | Medium | Yazhini Kannan, Prakalya E |
| Sprint-4 | Train and deployment of model in IBM Cloud | USN-9 | I can utilise the product, and access the web application from anywhere. | 10 | High | Shakthi K, Aswathi R, Yazhini Kannan |