

## Project Planning Phase

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

<b>DATE</b>	22 October 2022
<b>TEAM ID</b>	PNT2022TMID35510
<b>PROJECT NAME</b>	Project - A Novel Method for Handwritten Digit Recognition System
<b>MAXIMUM MARKS</b>	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
<b>Sprint-1</b>	Pre processing	USN-1	As a user, I can upload any kind of image with the pre-processing step is involved in it.	3	High	Dinesh M, Gowtham N
<b>Sprint-1</b>		USN-2	As a user, I can upload the image in any resolution.	1	Low	Ruban Chakaravarthi V, Thiruvazhi Dhinesh Kumar S
<b>Sprint-2</b>	Model	USN-3	As a user, I will get a application with ML model which provides high accuracy of recognized handwritten digit.	2	Medium	Gowtham N, Ruban Chakaravarthi V
<b>Sprint-2</b>		USN-4	As a user, I can pass the handwritten digit image for recognizing the digit.	2	Medium	Dinesh M, Thiruvazhi Dhinesh Kumar S
<b>Sprint-2</b>		USN-5	As a user, I can get the most suitable recognized digit.	3	High	Gowtham N, Thiruvazhi Dhinesh Kumar S
<b>Sprint-3</b>	User Interface	USN-6	As a user, I will upload the handwritten digit image to the application by clicking a upload button.	5	High	Ruban Chakaravarthi V, Dinesh M
<b>Sprint-3</b>		USN-7	As a user, I can know the details of the fundamental usage of the application.	2	Low	Dinesh M
<b>Sprint-3</b>		USN-8	As a user, I can see the predicted / recognized digits in the application	8	High	Gowtham N, Thiruvazhi Dhinesh Kumar S
<b>Sprint-4</b>	Cloud Deployment	USN-9	As a user, I can access the web application and make the use of the product from anywhere	13	High	Thiruvazhi Dhinesh Kumar S, Dinesh M

### 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:

$$\text{Average Velocity} = 20 / 6 = \mathbf{3.33}$$

#### Burndown chart:

