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

Date	18 October 2022
Team ID	PNT2022TMID29091
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	Padmasri. M Nivedha. A
Sprint-1		USN-2	As a user, I can upload the image in any resolution	10	High	Priyadharshini. T Punitha. J
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	Nivedha. A Punitha. J
		USN-4	As a user, I can pass the handwritten digit image for recognizing the digit.	10	Medium	Padmasri. M Priyadharshini. T
Sprint-3	Application Building	USN-5	As a user, I access and read the instructions.	5	High	Punitha. J Padmasri. M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN-6	As a user, I can use the next button to navigate to the recognition page.	2	Medium	Nivedha. A Priyadharshini. T
						Padmasri. M Punitha. J
		USN-7	As a user I can upload the hand written digit image to the website.	6	High	Priyadharshini. T Nivedha. A
		USN-8	As a user, I can see the predicted / recognized digits in the application	7	Medium	Padmasri. M Nivedha. A
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	Padmasri. M Nivedha. A Priyadharshini. T

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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown chart