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

Date	18 October 2022
Team ID	PNT2022TMID53601
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	Launching of Web Application	USN-1	As a user, I can download and launch the application and perform the prediction of numerical images.	1	Medium	**Kishore M Pradeep S Nissanth NA Kishore K Karthikeyan A**
Sprint-2	Local File Upload interface	USN-2	As a user, I need a local storage interface to get the image data from my storage and use it for prediction.	1	Medium	**Kishore M Pradeep S Nissanth NA Kishore K Karthikeyan A**
Sprint-2	CNN Based AI Model Training	USN-3	As a user, I need the CNN based AI model to be ready so that I can do a good accurate result-giving prediction with high precision scores.	2	High	**Kishore M Pradeep S Nissanth NA Kishore K Karthikeyan A**

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Cloud Deployment	USN-4	As a user, I need to access the application anywhere, so I need a cloud deployment so that everyone can perform predictions anytime	1	Medium	**Kishore M Pradeep S Nissanth NA Kishore K Karthikeyan A**
Sprint-3	Prediction and Result-Checking	USN-5	As a user, I need the prediction to be done and to check whether the prediction is correct or not through visual outputs.	2	High	**Kishore M Pradeep S Nissanth NA Kishore K Karthikeyan A**
Sprint-4	Image Processing	USN-6	As a user, I need the image to be altered so that we can do prediction based on the mode built earlier.			**Kishore M Pradeep S Nissanth NA Kishore K Karthikeyan A**

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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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:

A burn-down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn-down charts can be applied to any project containing measurable progress over time.

Will be added once development sprint starts