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

Date	18 October 2022
Team ID	PNT2022TMID53272
Project Name	Project - 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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	Medium	Shreyas
		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	Medium	Sanjay
Sprint-2	Model	USN-3	As a user, I want my ML model to be as accurate as possible.	5	Low	Vasudevan
		USN-4	As a user, I want good quality data to be collected for training purposes. Image processing methods must be employed to process the dataset.	5	Medium	Aravind
Sprint-1	Login	USN-5	As a user, I can login using email and password.	5	Medium	Shreyas
Sprint-4	Homepage	USN-6	As a user, the homepage must contain the details of input and an option to input an image in an acceptable format.	5	High	Aravind

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN-7	As a user, I want my homepage to contain information regarding the functionalities of the application.	5	High	Sanjay
Sprint-4	Results Page	USN-8	As a user, I must be able to view the predicted output for the respective input image.	13	High	Aravind
Sprint-2	Hosting	USN-9	As a user, I must be able to host the application on mobile and PC in any operating system.	5	Medium	Vasudevan

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	10	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	15	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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>