Project Planning Phase

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

Date	31 October 2022
Team ID	PNT2022TMID22547
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	Home	USN-1	As a user, I can view the guide and awareness to use this application.	1	Medium	Jerub Singh Samuel
Sprint-1		USN-2	As a user, I'm allowed to view the guided video to use the interface of this application.	3	High	Ganesh J
Sprint-1		USN-3	As a user, I can read the instructions to use this application.	2	Low	Sai Balaji K
Sprint-2	Recognize	USN-4	As a user, In this recognition page I get to choose the image.	4	High	Venkatesh Prasanna V

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Predict	USN-5	As a user, I'm Allowed to upload and choose the image to be uploaded	3	Low	Jerub Singh Samuel
Sprint-3		USN-6	As a user, I will train and test the input to get the maximum accuracy of output.	4	High	Ganesh J, Sai Balaji K
Sprint-3		USN-7	As a user, I can access the MNIST data set	2	Medium	Jerub Singh Samuel, Venkatesh Prasanna V

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:

A burndown 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.