Project Planning Phase

Date	18 October 2022
Team ID	PNT2022TMID52735
Project Name	Project - A Novel Method for Hand Written Digit Recognition
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 application	10	High	Saranya. R
Sprint-1	Log in	USN-2	As a user, I can log in into the application	10	High	Swathi. G
Sprint-2	Model creation	USN-3	As a user, I can use the model for predicting the handwritten digits	10	High	Varsha. S
Sprint-2	Prediction	USN-4	As a user, I can predict the digitalized output	10	High	Vyshnavi.S
Sprint-3	Upload Image of the handwritten document	USN-5	As a user, I can able to upload images of the handwritten digit documents	8	Medium	Saranya. R
Sprint-3	Draw the digits on canvas	USN-6	As a user, I can able to draw the digit in canvas	12	High	Swathi. G

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Digit Recognition	USN-7	As a user, I can able to get the digital output of the digit from uploaded handwritten images	9	Medium	Varsha.S
Sprint-4	Digit Recognition	USN-8	As a user, I can able to get the digital output of the digit from canvas	11	High	Vyshnavi.S

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 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.

BurnDown Chart