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

Date	18 October 2022
Team ID	PNT2022TMID24883
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	User Login	USN-1	The user will be presented with two options. 1. Sign-in your account if it already exists. 2. Sign-up if you are new.	1	Low	Moniessh P Kishore Kumar L Shyam Gopal Tarun K
Sprint -1	Dashboard	USN-2	Go to dashboard and see the available features 1. Open camera (allow permission) 2. Upload picture			Moniessh P Kishore Kumar L Shyam Gopal Tarun K
Sprint-2	Training the model	USN-3	Comparing the input with the existing data.	2	Medium	Moniessh P Kishore Kumar L Shyam Gopal Tarun K
Sprint-3	Prediction	USN-4	Predict the correct output or get an output similarity of 90%.	2	High	Moniessh P Kishore Kumar L Shyam Gopal Tarun K
Sprint-4	Evaluation Metrics	USN-5	Finally the correct prediction is given as output to the user.	2	High	Moniessh P Kishore Kumar L Shyam Gopal Tarun K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Exit	USN-6	Click exit button to exit from the application	1	Low	Moniessh P Kishore Kumar L Shyam Gopal Tarun K

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.

Sprint Burndown Chart

Legend: Remaining Effort — Ideal Trend

(x-axis: Day 0, Day 1, Day 2, Day 3, Day 4, Day 5, Day 6, Day 7, Day 8, Day 9, Day 10)
(y-axis: 0, 5, 10, 15, 20, 25)