

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID52603
Project Name	A Novel Method for Handwritten Recognition System
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint -1	Prerequisites	USN-1	Collect required dataset	3	High	Sreemathi Sampath, Jeyashree A
Sprint-1		USN-2	Split the dataset into training and testing set	4	Medium	Sruthi V, Anuu Karthiga I S
Sprint-2	Model Building	USN-3	Pre-process the data	3	Medium	Sruthi V, Jeyashree A
Sprint-2		USN-4	Compile the model	1	Low	Anuu Karthiga I S, Sreemathi Sampath
Sprint-2		USN-5	Add required neural network layers	4	High	Anuu Karthiga I S, Sruthi V, Jeyashree A
Sprint-2		USN-6	Initialise the model	1	Low	Sreemathi Sampath
Sprint-2		USN-7	Import the required libraries	2	Medium	Sreemathi Sampath, Jeyashree A
Sprint-2		USN-8	Deploy the model in IBM Cloud	2	Medium	Anuu Karthiga I S, Sruthi V
Sprint-3	Model Testing	USN-9	Import the packages and load the saved model	4	High	Jeyashree A, Sreemathi Sampath
Sprint-3		USN-10	Test the model	6	High	Anuu Karthiga I S, Sruthi V, Jeyashree A, Sreemathi Sampath
Sprint-4	User Interface	USN-11	Integrate with model	5	Medium	Anuu Karthiga I S, Sruthi V
Sprint-4		USN-12	Build the user interface	5	High	Anuu Karthiga I S, Sruthi V, Jeyashree A, Sreemathi Sampath

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	10	2 Days	01 Nov 2022	04 Nov 2022	2	
Sprint-2	10	2 Days	01 Nov 2022	04 Nov 2022	2	
Sprint-3	10	2 Days	05 Nov 2022	09 Nov 2022	2	
Sprint-4	10	2 Days	09 Nov 2022	18 Nov 2022	2	

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).

$$AV = \text{sprint duration/velocity} = 20/10 = 2$$

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.

