

Project Planning Phase

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

Date	24 October 2022
Team ID	PNT2022TMID30139
Project Name	A NOVEL METHOD FOR HANDWRITTEN DIGIT 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	Dashboard	USN-1	As a user, I can see the dashboard that contains Home & Prediction bars in the dashboard.	2	Low	HARINI A
Sprint-1	Home	USN-2	In the Home Page, I can view the guidelines of how to use the website.	2	Low	JAYASHREE K
Sprint-1	User Input	USN-3	In Prediction Page, I can upload the digits and special characters for prediction.	3	Medium	AKTCHAYAA A
Sprint-2	Apply	USN-4	The inputs are pre-processed and the model is created.	3	Medium	DEEPIKA T
Sprint-2		USN-5	The uploaded digits and special characters will be trained with the model.	7	High	JAYASHREE K
Sprint-2		USN-6	The inputs are evaluated with the MNIST dataset.	5	Medium	HARINI A
Sprint-3	Recognition	USN-7	The digits and special characters are tested with the algorithm.	7	High	DEEPIKA T
Sprint-4	Prediction	USN-8	As a user, I can get an accuracy rate with the graph.	7	High	JAYASHREE K
Sprint-1	GUI	USN-9	As a user, I can upload the input to predict the digits and special characters.	5	Medium	DEEPIKA T
Sprint-3	API	USN-10	Fetch the data from dataset to the model.	3	Medium	HARINI A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	IBM Cloudant DB	USN-11	The input and dataset were stored in the database.	3	Medium	AKTCHAYAA A
Sprint-4	IBM Cloud	USN-12	Deploy the trained model on the cloud.	7	High	AKTCHAYAA A
Sprint-1	Python Flask API	USN-13	Provides libraries to build web application.	5	Medium	HARINI A

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	17	6 Days	24 Oct 2022	29 Oct 2022	17	30 Oct 2022
Sprint-2	18	6 Days	31 Oct 2022	05 Nov 2022	18	06 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	13 Nov 2022
Sprint-4	14	6 Days	14 Nov 2022	19 Nov 2022	14	19 Nov 2022

Velocity:

SPRINT 1 = AV = Sprint duration/Velocity = 17/6 = 2.8

SPRINT 2 = AV = Sprint duration/Velocity = 18/6 = 3

SPRINT 3 = AV = Sprint duration/Velocity = 10/6 = 1.6

SPRINT 4 = AV = Sprint duration/Velocity = 14/6 = 2.3

Burndown chart:

