

Project Planning Phase

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

Date	29 October 2022
Team ID	PNT2022TMID00805
Project Name	Project – 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	Understanding the data	USN-1	Import MNIST data for handwritten digit recognition prediction, and analyse the data	8	Medium	Keerthivashan, Madhan Manoharan
Sprint-1	Data cleaning	USN-2	Reshape the data, and apply one hot encoding to data	12	High	Mohammed Abdullah, Lokesh.P
Sprint-2	Model building	USN-3	Add CNN layers to train the model by compiling it.	8	High	Keerthivashan, Madhan Manoharan
Sprint-2	Optimizing model performance	USN-4	Test the model after saving, and observe the metrics to retrain if required efficiency is not met.	12	High	Mohammed Abdullah, Lokesh.P
Sprint-3	Application User Interface	USN-5	Create an Html files for home page and output result, with CSS styling.	8	Medium	Lokesh.P, Madhan Manoharan
Sprint-3	Application Backend	USN-6	Create backend using flask	12	High	Keerthivashan, Mohammed Abdullah
Sprint-4	IBM cloud registration	USN-7	Register for IBM Cloud	4	Low	Lokesh.P, Madhan Manoharan
Sprint-4	Configuration	USN-8	Train the model in IBM cloud	8	Medium	Mohammed Abdullah, Keerthivashan

Sprint-4	Deployment	USN-9	Deploy in the trained model in cloud	8	Medium	Madhan Manoharan, Lokesh.P
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Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total StoryPoints	Duration	Sprint Start Date	Sprint End Date(Planned)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022

Velocity:

$$AV = \frac{\text{sprint duration}}{\text{velocity}} \quad \frac{20}{24} = 0.83 \text{ (story points per day)}$$