Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID00805
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	Data Collection	USN-1	As a user, the dataset can be collected from a variety of sources with different handwritings.	10	Low	Lokesh.P, Madhan Manoharan
Sprint-1	Data Preprocessing	USN-2	As a user, I can load the dataset, handling the missing data, scaling and split data into train and test.	10	Medium	Keerthivashan, Madhan Manoharan
Sprint-2	Model Building	USN-3	As a user, I will get an application with ML model which provides high accuracy of recognized handwritten digit.	5	High	Mohammed Abdullah, Lokesh.P
Sprint-2	Add CNN layers	USN-4	Creating the model and adding the input, hidden, and output layers to it.	5	High	Mohammed Abdullah, Keerthivashan
Sprint-2	Compiling the model	USN-5	With both the training data defined and model defined, it's time to configure the	2	Medium	Madhan Manoharan, Keerthivashan

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			learning process.			
Sprint-2	Train & test the model	USN-6	As a user, let us train our model with our image dataset.	6	Medium	Mohammed Abdullah, Lokesh.P
Sprint-2	Save the model	USN-7	As a user, the model is saved & integrated with an android application or web application in order to predict something.	2	Low	Madhan Manoharan, Keerthivashan
Sprint-3	Building UI Application	USN-8	As a user, I will upload the handwritten digit image to the application by clicking a upload button.	5	High	Lokesh.P, Madhan Manohara n
Sprint-3		USN-9	As a user, I can know the details of the fundamental usage of the application.	5	Low	Mohammed Abdullah, Madhan Manoharan,
Sprint-3		USN-10	As a user, I can see the predicted / recognized digits in the application.	5	Medium	Madhan Manoharan, Keerthivashan
Sprint-4	Train the model on IBM	USN-11	As a user, I train the model on IBM and integrate flask/Django with scoring end point.	10	High	Madhan Manoharan, Keerthivashan, Mohammed Abdullah, Lokesh.P
Sprint-4	Cloud Deployment	USN-12	As a user, I can access the web application and make the use of the product from anywhere.	10	High	Mohammed Abdullah, Madhan Manoharan