Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID08626
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	User could collect the dataset from various resources with different set of handwritings.	10	Low	Srinithi Nivashini K Thulasimathi T Sujaykanth S Rudrapati Thrivendra Naidu
Sprint-1	Data Pre processing	USN-2	User can load the dataset, handle the missing data, scaling and split data into train and test.	10	Medium	Srinithi Nivashini K Thulasimathi T Sujaykanth S Rudrapati Thrivendra Naidu

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Building the Model	USN-3	User will create an application with ML model that provides high accuracy of recognized handwritten digit.	5	High	Srinithi Nivashini K Thulasimathi T Sujaykanth S Rudrapati Thrivendra Naidu
Sprint-2	Add CNN layers	USN-4	Creating the model and adding the input and output layers to it.	5	High	Srinithi Nivashini K Thulasimathi T Sujaykanth S Rudrapati Thrivendra Naidu
Sprint-2	Compiling the model	USN-5	Configure the learning process of training data and the model which is already designed.	2	Medium	Srinithi Nivashini K Thulasimathi T Sujaykanth S Rudrapati Thrivendra Naidu
Sprint-2	Train & test the model	USN-6	Train the model with image dataset.	6	Medium	Srinithi Nivashini K Thulasimathi T Sujaykanth S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Rudrapati Thrivendra Naidu
Sprint-2	Save the model	USN-7	The model is saved and integrated with the web application in order to predict something.	2	Low	Srinithi Nivashini K Thulasimathi T Sujaykanth S Rudrapati Thrivendra Naidu
Sprint-3	Building UI Application	USN-8	User will upload the handwritten digit image to the application by clicking a upload button.	5	High	Srinithi Nivashini K Thulasimathi T Sujaykanth S Rudrapati Thrivendra Naidu
Sprint-3		USN-9	User should know the fundamental usage of the application.	5	Low	Srinithi Nivashini K Thulasimathi T Sujaykanth S Rudrapati Thrivendra Naidu
Sprint-3		USN-10	User could see the predicted / recognized digits as output in the application.	5	Medium	Srinithi Nivashini K Thulasimathi T

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Sujaykanth S Rudrapati Thrivendra Naidu
Sprint-4	Train the model on IBM	USN-11	Train the model on IBM and integrate flask/Django with scoring end point.	10	High	Srinithi Nivashini K Thulasimathi T Sujaykanth S Rudrapati Thrivendra Naidu
Sprint-4	Cloud Deployment	USN-12	User can access the web application and make use of the product from anywhere.	10	High	Srinithi Nivashini K Thulasimathi T Sujaykanth S Rudrapati Thrivendra Naidu