Project Planning Phase

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

Date	27October 2022
Team ID	**PNT2022TMID47895**
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, I can collect the dataset from various resources with different handwritings.	10	Low	Aarthi R.E, Akshaya P, Parkavi J.
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	Afrin banu .T, Fahima Parveen .A
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	Aarthi R E,Parkavi j
Sprint-2	Add CNN layers	USN-4	Creating the model and adding the input, hidden, and output layers to it.	5	High	Akshaya .P Fahima parveen .A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Compiling the model	USN-5	With both the training data defined and model defined, it's time to configure the learning process.	2	Medium	Afrin .T, Akshaya p, Parkavi J
Sprint-2	Train & test the model	USN-6	As a user, let us train our model with our image dataset.	6	Medium	Fahima Parveen.A Aarthi R E
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	Parkavi j
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	Aarthi R E
Sprint-3		USN-9	As a user, I can know the details of the fundamental usage of the application.	5	Low	Akshaya P
Sprint-3		USN-10	As a user, I can see the predicted / recognized digits in the application.	5	Medium	Fahima Parveen A
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	Afrin Banu .T Akshaya P Parkavi J
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	Aarthi R E Fahima parveen .A