Project Planning Phase

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

Date	**03/11/2022**
Team ID	**PNT2022TMID20820**
Project Name	**Project - A Novel Method for Handwritten Digit Recognition System**

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	I, as a user, am able to gather the data set. from a variety of sources with various written by hand.	10	Low	Surender Yuvaraj Sri kumar Keertha Narayanan Dinesh kumar
Sprint-1	Data Preprocessing	USN-2	I can input the data set as a user, handle the missing data, scale the data, and divide the data into train and test groups.	10	Medium	Surender Yuvaraj Sri kumar Keertha Narayanan
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	Surender Yuvaraj Sri kumar Keertha Narayanan
Sprint-2	Add CNN layers	USN-4	Creating the model and adding the input, hidden, and output layers to it.	5	High	Surender Yuvaraj Sri kumar Keertha narayanan
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	Surender Yuvaraj Sri kumar Keertha Narayanan
Sprint-2	Train & test the model	USN-6	As a user, let us train our model with our image data set	6	Medium	Surender Yuvaraj Sri kumar Keertha Naryanan
Sprint-2	Save the model	USN-7	The model is saved by the user and connected with an Android or web application to make a prediction.	2	Low	Surender Yuvaraj Sri kumar Keertha Narayanan

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**	**Surender Yuvaraj Sri kumar Keertha Narayanan**
Sprint-3	**Building UI Application**	**USN-9**	**I can understand the specifics of the application's basic operation as a user.**	**5**	**Low**	**Surender Yuvaraj Sri kumar Kerrtha Narayanan**
Sprint-3	**Building UI Application**	**USN-10**	**As a user, I can see the predicted / recognized digits in the application.**	**5**	**Medium**	**Surender Yuvaraj Sri kumar Keertha Narayanan**
Sprint-4	**Train the model on IBM**	**USN-11**	**As a user, I integrate flask/Django with the scoring end point and train the model on IBM.**	**10**	**High**	**Surender Yuvaraj Sri kumar Keertha narayanan**
Sprint-4	**Cloud Deployment**	**USN-12**	**As a user, I can access the web application and make the use of the product fromanywhere.**	**10**	**High**	**Surender Yuvaraj Sri kumar Keertha Narayanan**