

## Project Planning Phase

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

Date	28 October 2022
Team ID	PNT2022TMID35498
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 handwriting.	10	Low	Srinivasan B Hariharan CA
Sprint-1	Data Preprocessing	USN-2	As a user, I can load the dataset, handle the missing data and split data into train and test.	10	Medium	Rakshith TN Navaneethakrishnan R
Sprint-2	Model Building	USN-3	As a user, I will get an application with an ML model which provides high accuracy of recognized handwritten digits.	5	High	Srinivasan B Hariharan CA Navaneethakrishnan R

Sprint-2	Add CNN layers	USN-4	Creating the model and adding the input, hidden and output layers to it.	5	High	Srinivasan B Hariharan CA
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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	Hariharan CA
Sprint-2	Train & test the model	USN-6	As a user, we will train our model with our image dataset.	6	Medium	Srinivasan B Hariharan CA Rakshith TN
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	Hariharan CA Navaneethakrishnan R
Sprint-3	Building UI Application	USN-8	As a user, I will upload the handwritten digit image to the application by clicking an upload button.	5	High	Srinivasan B Hariharan CA Navaneethakrishnan R
Sprint-3		USN-9	As a user, I can know the details of the fundamental usage of the application.	5	Low	Rakshith TN

Sprint-3		USN-10	As a user, I can see the predicted / recognized digits in the application.	5	Medium	Hariharan CA Rakshith TN
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 points.	10	High	Srinivasan B Hariharan CA
Sprint-4	Cloud Deployment	USN-12	As a user, I can access the web application and make use of the product from anywhere.	10	High	Navaneethakrishnan R Rakshith TN