

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

Date	18 October 2022
Team ID	PNT2022TMID18129
Project Name	Project - 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 Pre-processing	USN-1	As a user, I can load the dataset, handle missing data, scale it, and divide it into train and test sets.	2	Medium	Sindhuja.K Suguna.S
Sprint-1	Data Collection	USN-2	As a user, I can gather the dataset from a variety of sources with varying handwritings.	2	Low	Sumithasri.A Vinuppriya.B
Sprint-2	Train & test the model	USN-3	Let's use our image dataset to train our model as users.	2	High	Suguna.S
Sprint-2	Save the model	USN-4	In order to forecast something for the user, the model is saved & connected with an android application or web application.	1	Low	Sindhuja.K

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-2	Model Building	USN-5	As a user, I will receive an application that uses an ML model to recognise handwritten digits with high accuracy.	2	Medium	Vinuppriya.B
Sprint-2	Add CNN layers	USN-6	Creating the model and adding the input, hidden, and output layers to it.	1	Low	Sumithasri.A
Sprint-3		USN-7	I can view the anticipated and recognised digits in the programme as a user.	2	Medium	Suguna.S Sumithasri.A
Sprint-3		USN-8	I can understand the specifics of the application's basic operation as a user.	1	Low	Sindhuja.K Vinuppriya.B
Sprint-3	Building UI Application	USN-9	I, as a user, will click an upload button to upload the image of the handwritten digit to the programme.	2	High	Sumithasri.A Vinuppriya.B Suguna.S
Sprint-4	Cloud Deployment	USN-10	I can utilise the online application as a user from anywhere and have access to it.	2	High	Sindhuja.K
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.	2	High	Vinuppriya.B