

**Project Planning Phase**  
**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)**  
**Milestone And Activity List**

<b>Team ID</b>	<b>PNT2022TMID27693</b>
<b>Project Name</b>	<b>A Novel Method For Handwritten Digit Recognition System</b>

**Product Backlog, Sprint Schedule, and Estimation**

Use the below template to create product backlog and sprint schedule

<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-1	Data Collection	USN-1	As a user, I collect the dataset from various sources of different handwritings.	11	Low	Sneha H Subashree M
Sprint-1	Data Preprocessing	USN-2	As a user, I load the dataset and splitting the data for training and testing.	10	Medium	Sneha H Subaja E
Sprint-2	Model Building	USN-3	As a user, I will get an application with ML model which gives high accuracy of recognized handwritten digit.	5	High	Sneha H Sowmiya B Subashree M
Sprint-2	Add CNN layers	USN-4	Creating the model and adding the input, hidden, and output layers to it.	5	High	Sneha H Subashree M Subaja E

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	Sneha H Sowmiya B
Sprint-2	Train & test the model	USN-6	As a user, let us train our model with our image dataset.	4	Medium	Sneha H Sowmiya B Subaja 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	Sneha H Subaja E
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.	8	High	Sneha H Subashree M Sowmiya B
Sprint-3		USN-9	As a user, I can know the details of the fundamental usage of the application.	5	Low	Sneha H Sowmiya B Subaja E
Sprint-3		USN-10	As a user, I can see the predicted / recognized digits in the application.	7	Medium	Sneha H Subashree M
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	Sneha H Subaja E Subashree M Sowmiya B
Sprint-4	Cloud Deployment	USN-12	As a user, I can access the web application and make the use of the product from anywhere.	7	High	Sneha H Subashree M