

## Project Planning Phase

### Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	18 October 2022
Team ID	PNT2022TMID39636
Project Name	A Novel Method for Handwritten Digit Recognition System
Maximum Marks	8 Marks

#### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	I can collect the dataset from various resources with different handwritings.	10	Low	Pavithra,Dhanusha, Haritha Tharini, Hemapriya,Ishwarya, Keerthana
Sprint-1	Data Processing	USN-2	I can load the dataset and split the data into train and test.	10	Medium	Pavithra,Dhanusha, Haritha Tharini, Hemapriya,Ishwarya, Keerthana
Sprint-2	Add CNN layers	USN-3	Creating the model and adding the input, hidden, and output layer to it.	5	High	Pavithra,Dhanusha, Haritha Tharini, Hemapriya,Ishwarya, Keerthana
Sprint-2	Compiling the model	USN-4	With both the training data defined and model defined, it's time to configure the learning process	2	Medium	Pavithra,Dhanusha, Haritha Tharini, Hemapriya,Ishwarya, Keerthana
Sprint-2	Train & Test the model	USN-5	let us train and test our model with image dataset.	6	Medium	Pavithra,Dhanusha, Haritha Tharini, Hemapriya,Ishwarya, Keerthana
Sprint-2	Save the model	USN-6	Model is to be saved for future purposes. This saved model can also be integrated with an web application in order to predict something.	2	Medium	Pavithra,Dhanusha, Haritha Tharini, Hemapriya,Ishwarya, Keerthana

Sprint-3	UI Application Building	USN-7	Building a web application that is integrated into the model we built. A UI is provided for the uses where he has uploaded an image. The uploaded image is given to the saved model and prediction is showcased on the UI.	5	High	Pavithra,Dhanusha, Haritha Tharini, Hemapriya,Ishwarya, Keerthana
Sprint-3		USN-8	We use HTML to create the front end part of the web page	5	High	Pavithra,Dhanusha, Haritha Tharini, Hemapriya,Ishwarya, Keerthana
Sprint-3		USN-9	Build the flask file which is a web framework written in python for server-side scripting.	5	High	Pavithra,Dhanusha, Haritha Tharini, Hemapriya,Ishwarya, Keerthana
Sprint-3		USN-10	Run the application.	5	High	Pavithra,Dhanusha, Haritha Tharini, Hemapriya,Ishwarya, Keerthana
Sprint-4	Train the model onIBM	USN-11	Build Deep Learning Model Using the IBM cloud.	5	High	Pavithra,Dhanusha, Haritha Tharini, Hemapriya,Ishwarya, Keerthana

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	05 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	05 Nov 2022

### Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

