

## Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID02158
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	Collect Dataset .	9	High	Jeevamutharasi S
Sprint-1		USN-2	Reshape the data and apply one hot encoding	8	Medium	Jeevitha C, Krithic Kumar
Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model	10	High	Kaushik A
Sprint-2		USN-4	Training the image classification model using CNN	7	Medium	Krithic Kumar
Sprint-3	Training and Testing	USN-5	Building Python code and run the application	9	High	Jeevitha C
Sprint-4	Implementation of the application and deployment on cloud	USN-6	Training the model on IBM cloud.	8	Medium	Jeevamutharasi S, Kaushik A

**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	10	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	04 Nov 2022	5	04 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	11 Nov 2022	7	11 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	18 Nov 2022	5	18 Nov 2022

**Velocity:**

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}}$$

$$AV = 6/10 = 0.6$$

**Burndown chart:**

