

## Project Planning Phase

Date	18 October 2022
Team ID	PNT2022TMID41253
Project Name	A Novel Method for Hand Written 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

<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	Registration	USN-1	As a user, I can register for application.	10	High	Thiyaneswaran S
Sprint-1	Log in	USN-2	As a user, I can log in into the application.	10	High	Anandaraj R
Sprint-2	Model creation	USN-3	As a user, I can use the model for predicting the handwritten digits.	10	High	Rajesh R
Sprint-2	Prediction	USN-4	As a user, I can predict the digitalized output.	10	High	Dhineshkumar S
Sprint-3	Upload Image of the handwritten document	USN-5	As a user, I can able to upload images of the handwritten digit documents.	20	Medium	Thiyaneswaran S, Anandaraj R

<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-4	Digit Recognition	USN-6	As a user, I can able to get the digital output of the digit from uploaded handwritten images.	20	Medium	Rajesh R, Dhineshkumar S

#### **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	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

#### **Velocity:**

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

## 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.

