

## Project Planning Phase

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

Date	22.10.2022
Team ID	PNT2022TMID39323
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	Instructions	USN-1	As a user, I can read the instructions in the home page.	10	Low	S Satheesh Kumar, B Vigneshwaran
Sprint-1	Next	USN-2	Using the next button we can navigate to the next page	10	Medium	A Mahalakshmi, S Satheesh kumar
Sprint-2	Upload image	USN-3	Upload the handwritten digit image/our trained model will predict the given digits in the image.	10	Medium	A Mahalakshmi, S Satheesh Kumar, S Vishu Priya
Sprint-2	Recognition	USN-4	Click the recognition button we get a predicted result in the user interface / run the application	10	High	S Visnu Priya, B Vigneshwaran
Sprint-3	Predicted value in voice mode	USN-5	There is an option that gives the result in voice mode	20	High	S Satheesh Kumar, A Mahalakshmi, B Vigneshwaran

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Continue	USN-6	As user a, if I click the continue button it redirect to the recognition page.	20	Low	S Vishnu Priya.

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
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:

