

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

Date	22 October 2022
Team ID	PNT2022TMID23253
Project Name	A Novel Method for Handwritten Digit Recognition System
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Mohan Kumar
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password	3	High	Ramya
Sprint-2	Upload Image of digital document	USN-3	As a user, I can able to input the images of digital documents to the application	2	Medium	Sindhu
Sprint-2	Prediction	USN-4	As a user, I can predict the word	2	Medium	Subash

Sprint-3	Upload Image of Handwritten document	USN-5	As a user, I can able to input the images of the handwritten documents or images to the application	3	High	Mohan Kumar
Sprint-3	Recognize text	USN-6	As a user, I can able to choose the font of the text to be displayed	2	Medium	Ramya
Sprint-4	Recognize digit	USN-7	As a user I can able to get the recognised digit as output from the images of digital documents or images	2	Medium	Sindhu
Sprint-4	Recognize digit	USN-8	As a user I can able to get the recognised digit as output from the images of handwritten documents or images	3	High	Subash

#### 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	2	6 Days	24 Oct 2022	29 Oct 2022	06	29 Oct 2022
Sprint-2	2	6 Days	31 Oct 2022	05 Nov 2022	04	05 Nov 2022
Sprint-3	2	6 Days	07 Nov 2022	12 Nov 2022	05	12 Nov 2022
Sprint-4	2	6 Days	14 Nov 2022	19 Nov 2022	05	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)

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

$$AV(\text{SPRINT 1}) = 6/6 = 1$$

$$AV(\text{SPRINT 2}) = 4/6 = 0.6$$

$$AV(\text{SPRINT 3}) = 5/6 = 0.8$$

$$AV(\text{SPRINT 4}) = 5/6 = 0.8$$


$$AV(\text{TOTAL}) = 20/24 = 0.8$$


### 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.

 A Novel Method for H...  
Software project

PLANNING

 Roadmap


 Backlog

 Board

DEVELOPMENT

 Code 

 Project pages 

 Add shortcut

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Projects / A Novel Method for Handwritten Digit Recognition Systems

## Backlog


🔍 MK 👤 Epic ▾

 Insights

▼ NOV Sprint 1 24 Oct – 29 Oct (2 issues)

0 6 0 Complete sprint


 NOV-1 As a user, I can register for the application by enteri... 3 IN PROGRESS ▾ MK

 NOV-2 As a user, I can log into the application by entering ... 3 IN PROGRESS ▾ MK

+ Create issue

▼ NOV Sprint 2  Add dates (2 issues)

4 0 0 Start sprint

 NOV-3 As a user, I can able to input the images of digital docum... 2 TO DO ▾ MK

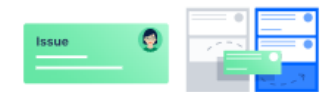
 NOV-4 As a user, I can predict the word 2 TO DO ▾ MK

+ Create issue

## Quickstart

✓ Create a project ▾

✓ Create an issue ▲



Issues are individual pieces of work that you assign to teammates.

Issues can be tasks or stories.

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