

## Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID53257
Project Name	<b>A Novel Method For Handwritten Digit Recognition System</b>
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Rampavith Kopurapu, HSJ Sahana, Sai Sriya, Thotha Geethika Sree
Sprint-2	Login	USN-2	As a user, I can log into the application by entering email & password	1	High	Rampavith Kopurapu, HSJ Sahana, Sai Sriya, Thotha Geethika Sree
	Dashboard	USN-3	As a user, I can view activities available in home page	2	Medium	Rampavith Kopurapu, HSJ Sahana, Sai Sriya, Thotha Geethika Sree

<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-3	Dashboard Customization	USN-4	Further and final work on home page.	2	High	Rampavith Kopurapu, HSJ Sahana, Sai Sriya, Thotha Geethika Sree
	Input image feature	USN-5	As a user, I can input image	2	High	Rampavith Kopurapu, HSJ Sahana, Sai Sriya, Thotha Geethika Sree
Sprint-4	Result Display	USN-6	As a user, I will be able to view the calculated results	2	High	Rampavith Kopurapu, HSJ Sahana, Sai Sriya, Thotha Geethika Sree

**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	1 Nov 2022	7 Nov 2022	20	7 Nov 2022
Sprint-2	20	6 Days	1 Nov 2022	7 Nov 2022	20	7 Nov 2022

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-3	20	6 Days	7 Nov 2022	14 Nov 2022	20	14 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

### Velocity:

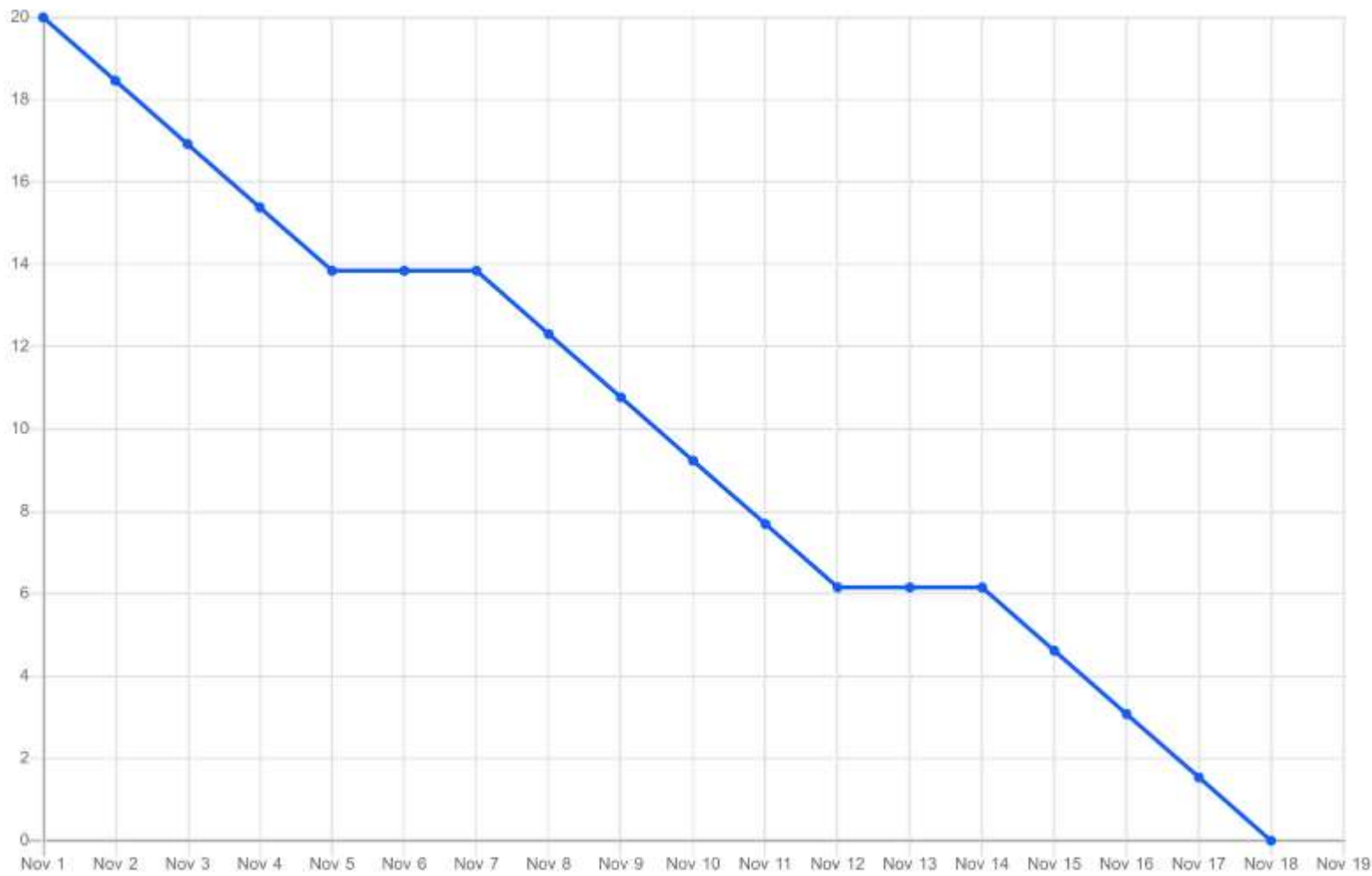
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

**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.

Burndown Chart



**Reference:**

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>