

## Project Planning Phase

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

|               |   |
|---------------|---|
| Date          | 23 October 2022   |
| Team ID       | PNT2022TMID24889  |
| Project Name  | Project - A Novel Method for Handwritten Digit recognition. |
| 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 | Dashboard                     | USN-1             | As a user, they can see the information regarding the prediction of handwritten digit recognition.                   | 2            | High     | Pavithrah M, Nandhini S, Lakshmi A, Visaka L |
| Sprint-1 | Launch                        | USN-2             | On clicking the launch button, it will redirect the user to a page where the images to be predicted can be uploaded. | 2            | High     | Pavithrah M, Nandhini S, Lakshmi A, Visaka L |
| Sprint-2 | Upload                        | USN-3             | Users can select the image from the local storage.   | 2            | High     | Nandhini S, Visaka L                         |
| Sprint-3 | Predict                       | USN-4             | Once the image is uploaded, it will predict the respective image.  | 2            | High     | Lakshmi A, Pavithrah M                       |
| Sprint-4 | Display                       | USN-5             | The predicted image will be displayed with the accuracy chart.   | 2            | High     | Pavithrah M, Nandhini S, Lakshmi A, Visaka L |

**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                         |

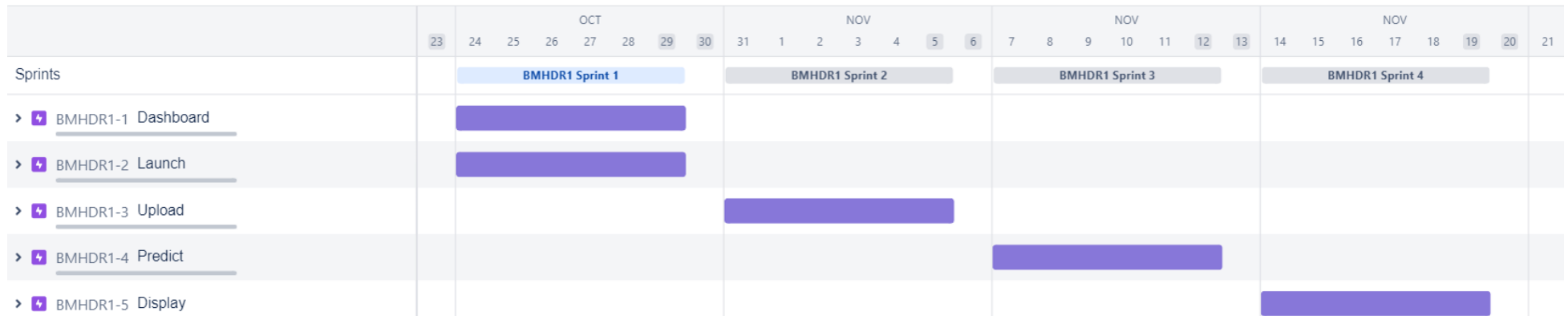
**Velocity:**

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)

$$AV = \frac{\text{Sprint Duration}}{\text{Velocity}} = \frac{20}{6} = 3.33$$

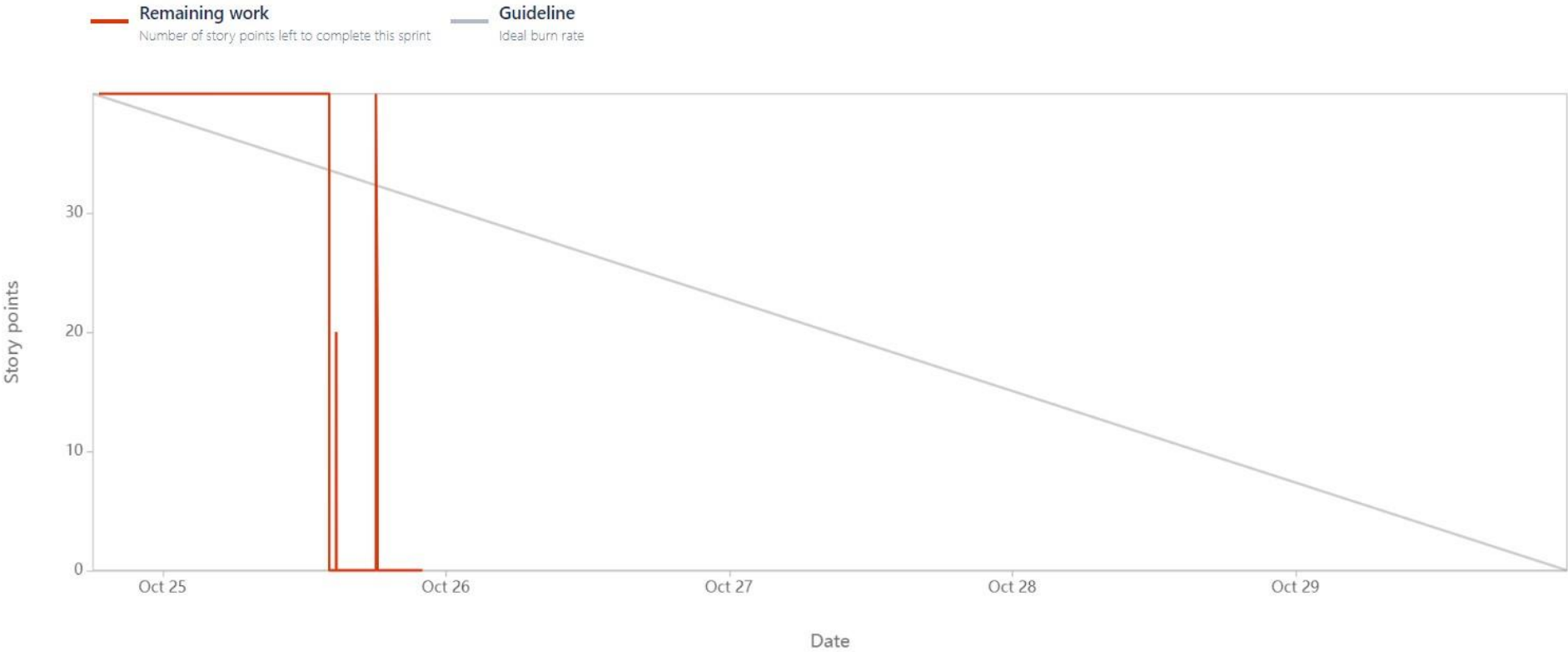
### Burndown Chart:

A burndown 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.



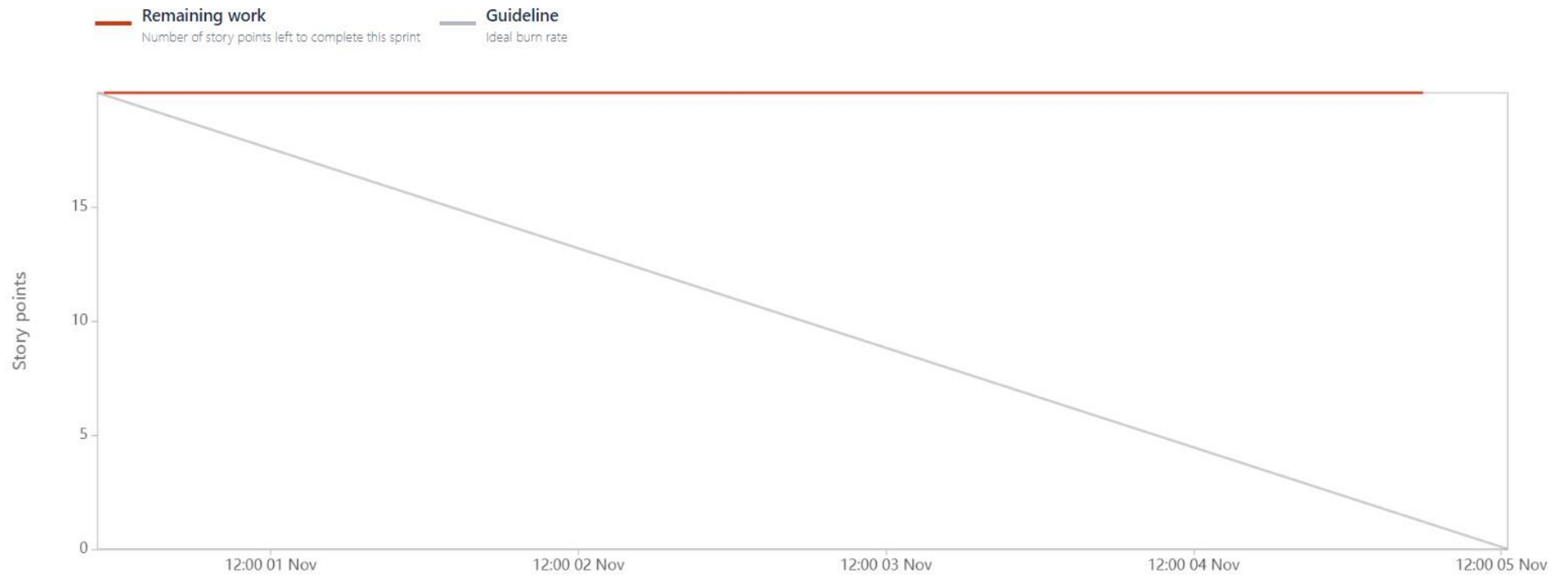
Sprint 1:

Date - October 24th, 2022 - October 29th, 2022



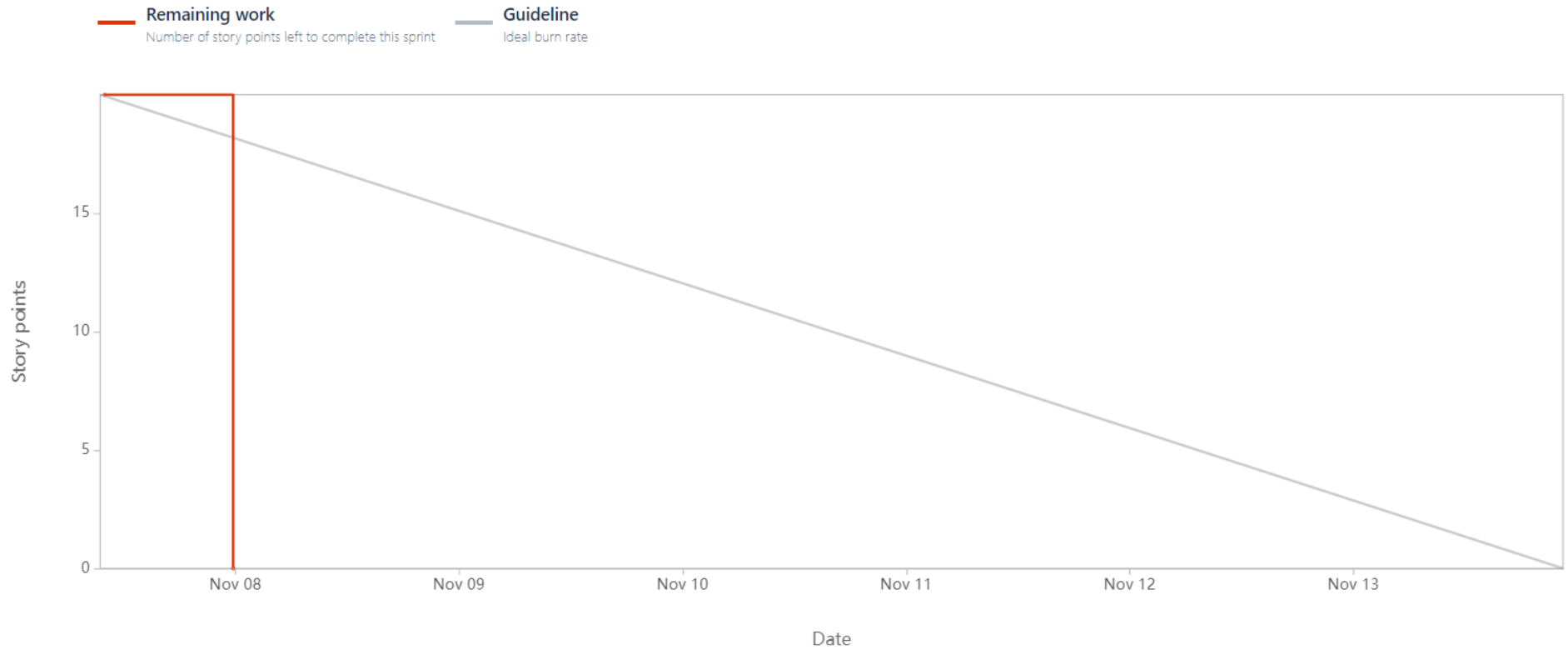
## Sprint 2:

Date - October 31st, 2022 - November 5th, 2022



### Sprint 3:

**Date** - November 7th, 2022 - November 13th, 2022



## Sprint 4:

**Date** - November 14th, 2022 - November 19th, 2022

