

## Project Planning Phase

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

|               |  |              |
|---------------|--|--------------|
| DATE          | 23 October 2022  |              |
| TEAM ID       | PNT2022TMID51041   |              |
| PROJECT TITLE | Smart Lender - Applicant Credibility Prediction for LoanApproval |              |
| TEAM MEMBERS  | VIGNESH A  | 953619104049 |
|               | RATHESH PRAVEEN P  | 953619104032 |
|               | ULAGESWARAN T  | 953619104045 |
|               | JAYA RAMA SANKARA MOORTHY J                                      | 953619104301 |

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

| Release    | Functional Requirement (Epic)       | User Story Number | User Story / Task   | Story Points | Priority  | Team Members                               |
|------------|-------------------------------------|-------------------|---|--------------|-----------|--|
| Sprint – 1 | Forms                               | USN – 1           | As a user, I can enter the data which I have and also the data which the website asks to me | 6            | Very High | VIGNESH A<br>RATHESHPRAVEEN P              |
| Sprint – 3 | Prediction                          | USN – 2           | As I have given the data into the webpage, now the data can be predicted for the loan avail | 4            | Medium    | ULAGESWARAN T,<br>JAYARAMASANKARAMOORTHY J |
| Sprint – 4 | Deployment of the Webpage in Cloud  | USN – 3           | As a user, I require global access to the web page as a user                                | 3            | Low       | VIGNESH A<br>RATHESHPRAVEEN P              |
| Sprint – 4 | Deployment of AI model in the cloud | USN – 4           | Model would be running on the Cloud   | 3            | Low       | ULAGESWARAN T,<br>JAYARAMASANKARAMOORTHY J |
| Sprint – 2 | Model building                      | USN – 5           | I require an ML model that can categorise Credit defaulters                                 | 5            | High      | VIGNESH A<br>,RATHESHPRAVEEN P             |
| Sprint – 3 | User Interface building             | USN – 6           | As a User, I need a medium to enter my data   | 4            | Medium    | ULAGESWARAN T,<br>JAYARAMASANKARAMOORTHY J |

**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               | 6   | 29 Oct 2022                  |
| Sprint-2 | 20                 | 6 Days   | 31 Oct 2022       | 05 Nov 2022               | 6   | 6 Nov 2022                   |
| Sprint-3 | 20                 | 6 Days   | 07 Nov 2022       | 12 Nov 2022               | 6   | 13 Nov 2022                  |
| Sprint-4 | 20                 | 6 Days   | 14 Nov 2022       | 19 Nov 2022               | 6   | 19 Nov 2022                  |

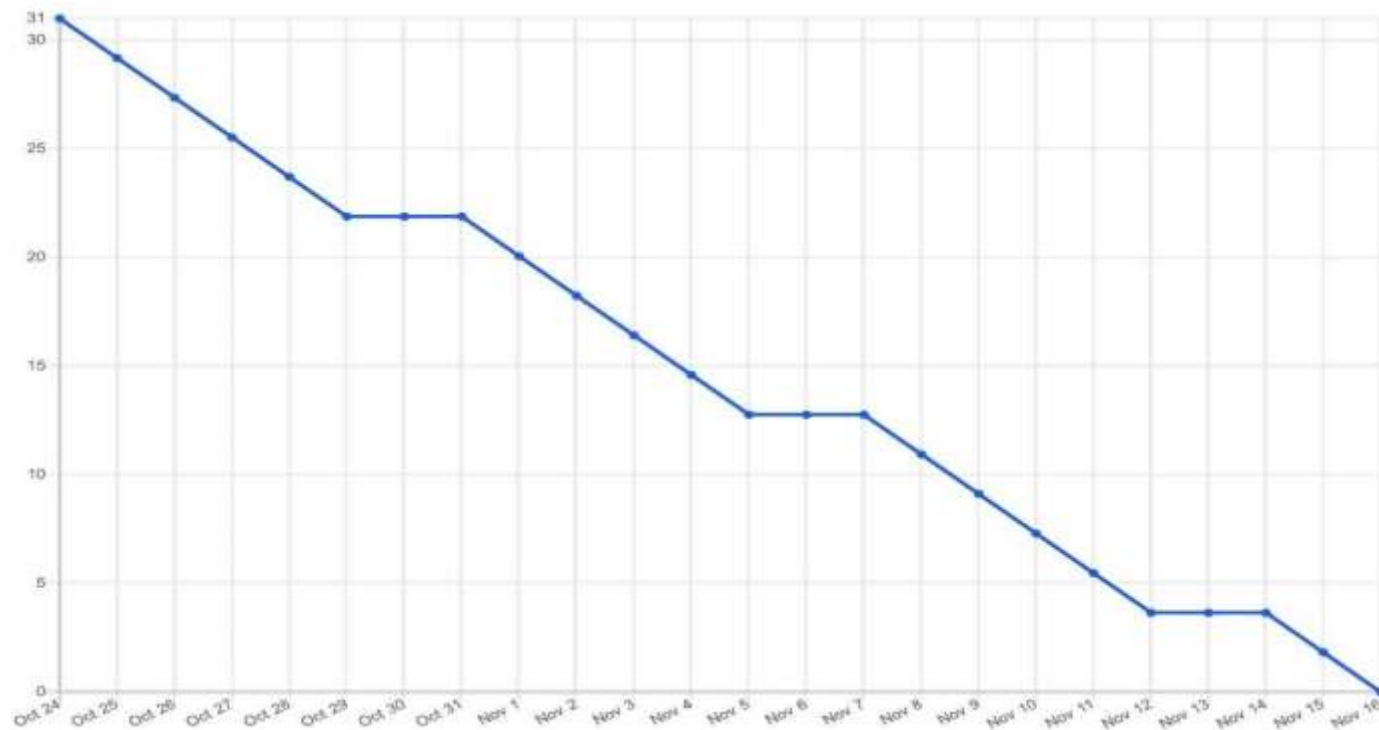
**Velocity:**

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.



<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

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

**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>