Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	22 October 2022
Team ID	PNT2022TMID53287
Project Name	Project – Smart Loan Lender
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	ML Model	USN-10	Get the Dataset for training	3	High	Vijay Sankarnarayanan, Shreya P S, Sanjoosree, Shankararaman
Sprint-1		USN-11	Pre-Process the Dataset	3	High	Vijay Sankarnarayanan, Shreya P S, Sanjoosree, Shankararaman
Sprint-1		USN-12	Train the Model	3	High	Vijay Sankarnarayanan, Shreya P S, Sanjoosree, Shankararaman
Sprint-1		USN-13	Optimize the Model	3	High	Vijay Sankarnarayanan, Shreya P S, Sanjoosree, Shankararaman
Sprint-2		USN-14	Connect Model to User Interface	3	High	Vijay Sankarnarayanan, Shreya P S, Sanjoosree, Shankararaman
Sprint-2	Customer User Interface	USN-1	As a user, I can view the web application and I am able to	3	High	Vijay Sankarnarayanan, Shreya P S,

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			interact with it.			Sanjoosree, Shankararaman
Sprint-2		USN-2	As a user, I will be able to enter the details of the customer who I'm looking to appraise	3	High	Vijay Sankarnarayanan, Shreya P S, Sanjoosree, Shankararaman
Sprint-2		USN-3	As a user, I can add or change the parameters list to accommodate for the unavailability of a specific data.	2	Medium	Vijay Sankarnarayanan, Shreya P S, Sanjoosree, Shankararaman
Sprint-3		USN-4	As a user, I can ask for the data's prediction score at any time.	2	Medium	Vijay Sankarnarayanan, Shreya P S, Sanjoosree, Shankararaman
Sprint-3		USN-5	As a user, I can request for mail transcript of the prediction along with the details given at the time to a specified email id.	2	Medium	Vijay Sankarnarayanan, Shreya P S, Sanjoosree, Shankararaman
Sprint-3		USN-6	As a user, I should be able to submit some feedback on the website.	1	Low	Vijay Sankarnarayanan, Shreya P S, Sanjoosree, Shankararaman
Sprint-4	Admin User Interface	USN-7	As an admin, I can look at the past prediction stored in the cloud	1	Low	Vijay Sankarnarayanan, Shreya P S, Sanjoosree, Shankararaman
Sprint-4		USN-8	As an admin, I can look at the user feedbacks	1	Low	Vijay Sankarnarayanan, Shreya P S, Sanjoosree, Shankararaman
Sprint-4		USN-9	As an admin, I can tweak the ML model	1	Low	Vijay Sankarnarayanan, Shreya P S, Sanjoosree, Shankararaman

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

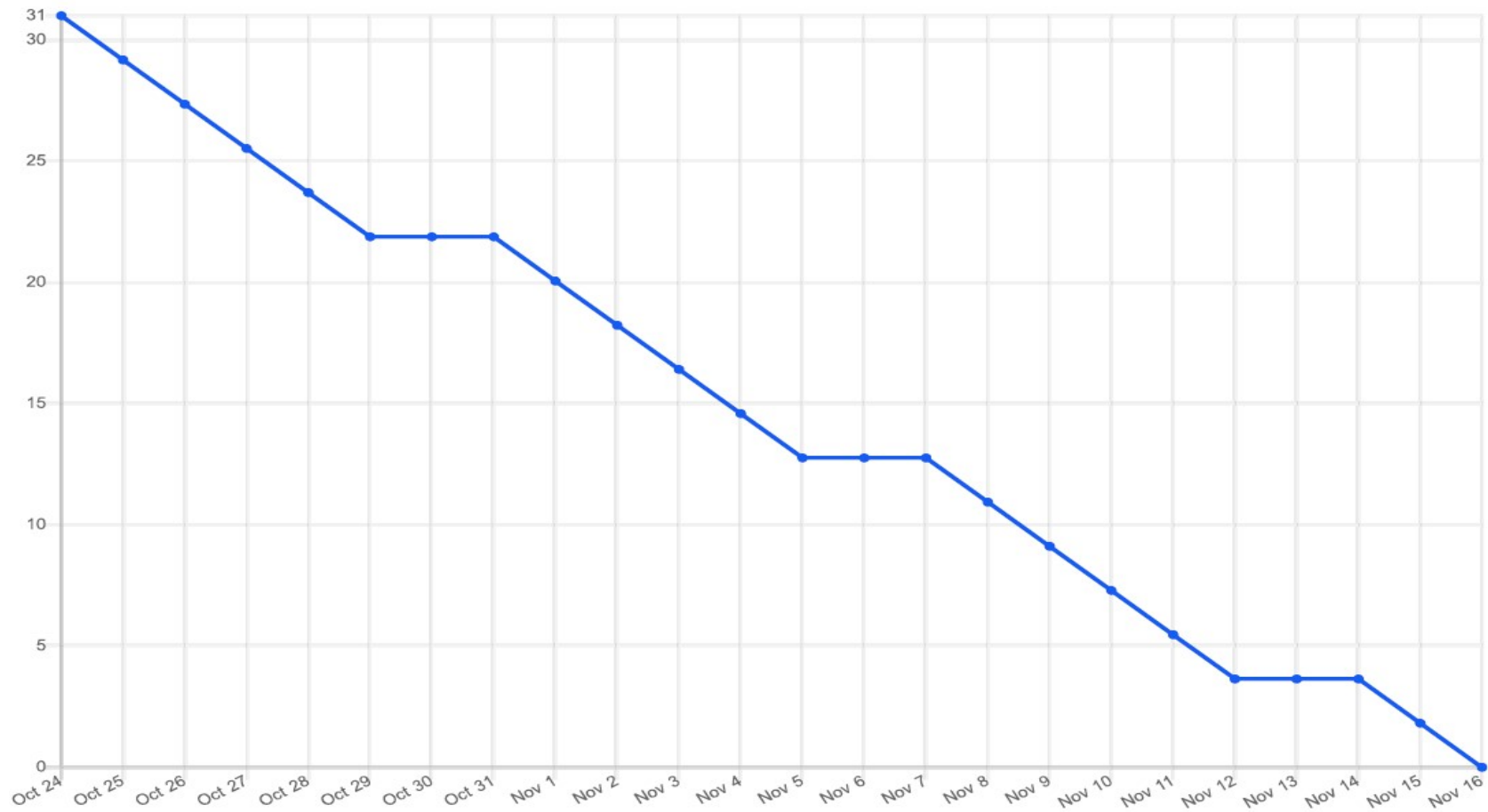| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	12	9 Days	24 Oct 2022	01 Nov 2022	12	29 Oct 2022
Sprint-2	11	8 Days	01 Nov 2022	08 Nov 2022	11	29 Oct 2022
Sprint-3	5	5 Days	08 Nov 2022	12 Nov 2022	5	29 Oct 2022
Sprint-4	3	5 Days	12 Nov 2022	16 Nov 2022	3	29 Oct 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)

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

In our case, AV=31/27=1.15

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.

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