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

Date	22 October 2022
Team ID	PNT2022TMID07972
Project Name	Smart Lender - Applicant Credibility Prediction for Loan Approval
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-1	Get the Dataset for training	3	High	Kiruthik Raj K, Kiran Babu N , Lokesh K , Prashant S
Sprint-1		USN-2	Pre-Process the Dataset	3	High	Kiruthik Raj K, Kiran Babu N , Lokesh K , Prashant S
Sprint-2	Model Creation	USN-3	Train the Model	2	High	Kiruthik Raj K, Kiran Babu N , Lokesh K , Prashant S
Sprint-2		USN-4	Optimize the Model	2	High	Kiruthik Raj K, Kiran Babu N , Lokesh K , Prashant S
Sprint-2	Web UI	USN-5	Create a website using html, js and css.	1	High	Kiruthik Raj K, Kiran Babu N , Lokesh K , Prashant S
Sprint-2		USN-6	As a user, I can view the web application and I am able to interact with it.	1	High	Kiruthik Raj K, Kiran Babu N , Lokesh K , Prashant S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	team Members
Sprint-2		USN-7	As a user, I will be able to enter the details of the customer who I'm looking to appraise	3	High	Kiruthik Raj K, Kiran Babu N , Lokesh K , Prashant S
Sprint-2		USN-8	As a user, I can add or change the parameters list to accommodate for the unavailability of a specific data.	1	Medium	Kiruthik Raj K, Kiran Babu N , Lokesh K , Prashant S
Sprint-2		USN-9	As a user, I can ask for the data's prediction score at any time.	1	Medium	Kiruthik Raj K, Kiran Babu N , Lokesh K , Prashant S
Sprint-3	Integration of model and web UI	USN-10	Deploy the model in the local machine	4	Medium	Kiruthik Raj K, Kiran Babu N , Lokesh K , Prashant S
Sprint-4	Deployment in the cloud..	USN-11	After completion of model deploy on IBM cloud.	4	Low	Kiruthik Raj K, Kiran Babu N , Lokesh K , Prashant S

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	6	9 Days	24 Oct 2022	01 Nov 2022	6	29 Oct 2022
Sprint-2	11	8 Days	01 Nov 2022	08 Nov 2022	11	29 Oct 2022
Sprint-3	4	5 Days	08 Nov 2022	12 Nov 2022	4	29 Oct 2022
Sprint-4	4	5 Days	12 Nov 2022	16 Nov 2022	4	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.