

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID06709
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Abirami P, Deepthi Sherona A
Sprint-1		USN-2	As a user, I can register for the application through Gmail	2	Medium	Pavithra K, Aro Punitha Mercy A
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	5	High	Deepthi Sherona A, Anuvitha G
Sprint-1	Dashboard	USN-4	As a user, I can see if my loan is credible or not by clicking a button in my dashboard	5	High	Abirami P, Anuvitha G
Sprint-1		USN-5	As an admin I must get user details from the dashboard	3	High	Pavithra K, Aro Punitha Mercy A
Sprint- 2	Data Collection	USN-6	As an admin I must collect necessary datasets for prediction	2	High	Pavithra K
Sprint-2	Data Visualization and analysis	USN-7	As an admin I must visualize and analyse the dataset	8	High	Abirami P, Aro Punitha Mercy A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Data Preprocessing	USN-8	As an admin I must pre process the data	8	High	Anuvitha G, Deepthi Sherona A,
Sprint-3	Model building	USN-8	As an administrator I must build a model that should get user data	8	High	Anuvitha G, Abirami P, Pavithra K
Sprint-3		USN-9	As an administrator I must use efficient algorithm to build the model	5	High	Deepthi Sherona A, Aro Punitha Mercy A
Sprint-4	Model Testing	USN-10	As an administrator I must test the model for efficient functioning	5	High	Abirami P
Sprint-4	Prediction	USN-11	As a user I must get an accurate prediction	5	High	Anuvitha G, Deepthi Sherona A
Sprint-4		USN-12	As a user I must get results if the loan is credible or not	2	High	Aro Punitha Mercy A, Pavithra K

#### 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	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	18	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	13	07 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	12	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)

$$\text{Sprint 1} = \text{Av} = \textit{Sprint duration/velocity} = 20/6=3.3$$

$$\text{Sprint 2} = \text{Av} = \textit{Sprint duration/velocity} = 18/6=3$$

$$\text{Sprint 3} = \text{Av} = \textit{Sprint duration/velocity} = 13/6=2.1$$

$$\text{Sprint 4} = \text{Av} = \textit{Sprint duration/velocity} = 12/6=2$$