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

Date	18 October 2022
Team ID	PNT2022TMID36001
Project Name	Smart Lender - Applicant Credibility Prediction for Loan Approval
Maximum Marks	8 Marks

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

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.	2	High	Praveen Kumar V Deekshetha
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	Medium	Nandhini V
Sprint-1	Registration	USN-3	As a user, I can register for the application through Facebook	1	Medium	Nivedha N
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	1	Medium	Harish B
Sprint - 2	Login	USN-5	As a user, I can log into the application by entering email & password	1	Medium	Deekshetha
Sprint - 2	Dashboard	USN-6	As a user, I should be able to experience a smooth user interface	1	Medium	Nivedha N Nandhini V
Sprint - 2	Dataset Collection and preprocessing	USN-7	All necessary and legal data for loan approval check should be collected and preprocessed	2	High	Praveen Kumar V Harish B Deekshetha
Sprint - 3	Model building and training	USN-8	Suitable model that could be trained and tested with accurate performance has to built	2	High	Nivedha N Praveen Kumar V Nandhini V
Sprint - 3	Model testing and Prediction	USN-9	Model that is built should be tested, predicted and accuracy is noted. Improvements in accuracy should also be made.	2	High	Harish B Deekshetha
Sprint - 4	Integration	USN-10	Integrate frontend and backend using flask server and deploy in IBM cloud	1	Medium	Praveen Kumar V Harish B
Sprint - 4	Testing	USN-11	Overall application is tested for deployment	2	High	Nivedha N Deekshetha Nandhini V

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	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)

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

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.