Project Planning Phase

Date	2 November 2022
Team ID	PNT2022TMID36990
Project Name	Smart Lender- Applicant Credibility Prediction For Loan Approval
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement	Story Points	Priority	Team Members
Sprint-1	Data collection	5	High	Reshma,Revathi,sri swetha,Kaviya
	Visualizing and analyzing	5	High	Reshma,Revathi,sri swetha,Kaviya
	Data preprocessing	10	High	Reshma,Revathi,sri swetha,Kaviya
Sprint-2	Model building		High	Reshma,kaviya
	decision tree	2	High	Reshma,Revathi,sri swetha
	Random forest	2	High	Reshma, sri swetha,Kaviya
	knn	2	High	Reshma, Kaviya
	Xgboost	2	High	Revathi, Kaviya
	Compare model	6	High	Reshma,Revathi,sri swetha
	Evaluate performance & save	6	High	Reshma,Revathi, Kaviya
Sprint-3	Application building		High	
	Building HTML	5	High	Revathi,sri swetha

Sprint	Functional Requirement	Story Points	Priority	Team Members
	Python	5	High	Reshma, Kaviya
	Run application	10	High	Reshma,Revathi,sri swetha,Kaviya
Sprint-4	Train model on IBM		High	
	Register for IBM	2	High	Reshma,Revathi,sri swetha,Kaviya
	Train ML model	10	High	Reshma, Kaviya
	Integrate flask with	8	High	Reshma,Revathi
	Scoring end point			

Project Tracker, Velocity & Burndown Chart:

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	11 Days	24 Oct 2022	03 Nov 2022	20	03 Nov 2022
Sprint-2	20	4 Days	04 Nov 2022	07 Nov 2022		
Sprint-3	20	5 Days	08 Nov 2022	12 Nov 2022		
Sprint-4	20	7 Days	13 Nov 2022	19 Nov 2022		

Velocity:
we have a 27-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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{27}{20} = 1.35$$

Burndown Chart: