Project Planning Phase

Name	Aditya Ashok Pise
Project Name	Customer Churn Prediction

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority
Sprint-1	Develop customer churn prediction capabilities	USN-1	Collect and pre-process customer data	8	High
Sprint-1	Develop customer churn prediction capabilities	USN-2	Conduct exploratory data analysis to identify churn patterns	5	Medium
Sprint-1	Develop customer churn prediction capabilities	USN-3	Define churn criteria and create a target variable	3	Low
Sprint-2	Build and evaluate churn prediction models	USN-4	Develop a baseline churn prediction model	13	High
Sprint-2	Build and evaluate churn prediction models	USN-5	Train and evaluate different machine learning algorithms	15	High
Sprint-2	Build and evaluate churn prediction models	USN-6	Select the best performing model based on accuracy metrics	5	Medium
Sprint-3	Deploy and monitor the churn prediction model	USN-7	Integrate the model into the production environment	8	Medium
Sprint-3	Deploy and monitor the churn prediction model	USN-8	Develop a mechanism to generate churn risk scores for customers	5	Medium
Sprint-3	Deploy and monitor the churn prediction model	USN-9	Implement targeted retention campaigns for high-risk customers	13	High
Sprint-3	Deploy and monitor the churn prediction model	USN-10	Monitor model performance and retrain as needed	3	Low

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-1	16	2 Days	01 Jan, 2024	02 Jan, 2024	16
Sprint-2	33	4 Days	03 Jan, 2024	07 Jan, 2024	49
Sprint-3	29	4 Days	08 Jan, 2024	12 Jan, 2024	78