Initial Project Planning Report

Date	28 July 2025
Project Title	Flight Delays Prediction Using Machine Learning
Maximum Marks	4 Marks

Product backlog, sprint schedule and estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Team Members	Sprint Start Date	Sprint End Date
Sprint-1	Data Collection and Preprocessing	FDP-1	Understanding & loading dataset	Low	Sundar J	09/07/2025	14/07/2025
Sprint-1	Data Collection and Preprocessing	FDP-2	Data cleaning & null value handling	High	Sundar J	09/07/2025	14/07/2025
Sprint-1	Data Collection and Preprocessing	FDP-3	Exploratory Data Analysis (EDA)	Medium	Sundar J	09/07/2025	14/07/2025
Sprint-2	Model Development	FDP-4	Model training (DT, RF, SVM, LGBM)	Medium	Sundar J	14/07/2025	21/07/2025
Sprint-2	Model Development	FDP-5	Comparing models with metrics (accuracy, F1)	Medium	Sundar J	14/07/2025	21/07/2025
Sprint-2	Model Development	FDP-6	Testing with real user input	Medium	Sundar J	14/07/2025	21/07/2025

Sprint-3	Web Integration and Deployment	FDP-7	Creating HTML templates	Low	Sundar J	21/07/2025	26/07/2025
Sprint-3	Web Integration and Deployment	FDP-8	Building Flask backend and local deployment	Medium	Sundar J	21/07/2025	26/07/2025
Sprint-4	Project Documentation	FDP-9	Preparing project report and final document	Medium	Sundar J	26/07/2025	28/07/2025