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

Date	25/10/22
Team ID	PNT2022TMID30798
Project Name	Developing a Flight Delay Prediction Model Using Machine Learning
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	S.V.Shivaani, S.Nithya
Sprint-1	User Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	S.V.Shivaani, M.Priyanka
Sprint-2		USN-3	As a user, I can register for the application through Facebook,Instagram,Other Social Media	2	Low	S.V.Shivaani, T.Narmatha
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	S.V.Shivaani S.Nithya
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	S.V.Shivaani, M.Priyanka

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Profile Page	USN-6	As a user,I can view my profile	1	High	S.V.Shivaani, T.Narmatha
Sprint-2	View	USN-8	As a user,I can view the details of flights	1	High	S.V.Shivaani, M.Priyanka
Sprint-3	Visualisation		Visualize the predicted data	5	High	S.V.Shivaani, T.Narmatha
Sprint-3,4	Receive Notification	USN-9	As a user,I will receive notifications about the flights	3	Low	S.V.Shivaani, S.Nithya
Sprint-3,4			Backend for notifications	5	Low	S.V.Shivaani, M.Priyanka
Sprint-3,4	Track	USN-10	As a user,I can track the location of my flight	3	Medium	S.V.Shivaani, T.Narmatha
Sprint-3,4	GPS	USN-11	As an admin,I will need the location of flights	3	High	S.V.Shivaani, S.Nithya
Sprint-2	Analyse	USN-12	As an admin,I will analyse the given dataset	5	High	S.V.Shivaani T.Narmatha
Sprint-2	Predict	USN-13	As an admin,I will predict the delays	8	High	S.V.Shivaani, M.Priyanka

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	29/10/22
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	04/11/22
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	11/11/22
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19/11/22

Velocity:

AV = sprint duration/velocity = 20/10 = 20

Average Velocity For Sprint1:

AV=8/4=2

Average Velocity For Sprint2:

AV=15/9=1.6

Average Velocity For Sprint3:

AV=19/9=2.1

Average Velocity For Sprint4:

AV=14/9=1.5