Project Planning Phase

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

Date	15 November 2022
Team ID	PNT2022TMID06101
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 and Login	USN-1	As a new user, I can register for the application by entering my email and my password.	2	High	Pradeep A Durai Sethupathy A
Sprint-2	Confirmation email	USN-2	As a user, I will receive confirmation email once I have registered for the application	2	Medium	Hema T Durai Sethupathy A
Sprint-1	User login	USN-3	As a user, I can login into the application by entering the registered email-id and password	2	High	Durai Sethupathy A Pradeep A
Sprint-2	Admin Panel	USN-4	As an admin, I can authenticate the registration and login credentials of the passengers	2	High	Pradeep A Rohith M
Sprint-3	Arrival and Departure time of flights	USN-5	As a user, I can find all the details of a specific flight with its number or name	2	High	Hema T Rohith M
Sprint-3		USN-6	As a user, I can find exactly how long the flight will be delayed	2	High	Durai Sethupathy M Hema T Rohith M

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	5 Days	28 October 2022	02 November 2022	20	03 November 2022
Sprint-2	20	5 Days	03 November 2022	08 November 2022	20	09 November 2022
Sprint-3	20	5 Days	09 November 2022	14 November 2022	20	14 November 2022

Velocity:

Imagine we have a 20 day sprint duration, and the velocity of the team is 10(points per sprint). Thus the team's average velocity (AV) per iteration unit (story points per day) is as follows

AV = sprint duration / velocity
= 20/10
= 2

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