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

Date	18 October 2022
Team ID	PNT2022TMID30287
Project Name	Machine Learning-Based Predictive Analytics for Aircraft Engine.
Maximum Marks	4 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	Nawin D R
Sprint-1		USN-2	As a user, I will receive confirmation alert message once I have registered for the application.	1	High	SelvaVarshini S
Sprint-1		USN-3	As a user, I can register for the application through Facebook, Instagram, other social media.	1	Low	Priyadharshini K
Sprint-1		USN-4	As a user, I can register for the application through Gmail.	2	Medium	Dheebakraj A
Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password.	3	High	Nawin D R
Sprint-2	Dashboard	USN-6	As a user, I can navigate through different pages using the dashboard.	3	High	SelvaVarshini S

Sprint-3	Search	USN-7	As a user, I can search for the issues associated with the engine problem that I am facing.	3	High	Dheebakraj A
Sprint-3	View	USN-8	As a user, I can view the details of aircraft engine and the issue and its severity and ask for support.	4	High	Priyadharshini K
Sprint-4	Analyze	USN-9	As an admin, I will analyze the situation and suggest an alternative method to tackle the engine failure.	4	High	SelvaVarshini S
Sprint-4	Predict	USN-10	As an admin, I will predict the aircraft engine failure and provide tech support.	5	High	Nawin D R

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	06	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	06	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	07	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	09	6 Days	14 Nov 2022	19 Nov 2022		

Velocity:

Average Velocity for sprint 1:

AV = 06/6 = 1

Average Velocity for sprint 2:

AV = 06/6 = 1

Average Velocity for sprint 3:

AV = 07/6 = 1.1

Average Velocity for sprint 4:

AV = 09/6 = 1.5

Burndown chart