

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID07751
Project Name	Project – Machine Learning Based predictive Analytics for Aircraft Engine
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.	12	Medium	Sanjana G.I, Nandhini C, Ragavi R, Sridharan K
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application through Gmail	8	Medium	Sanjana G.I, Nandhini C, Ragavi R, Sridharan K
Sprint-2	Login	USN-3	As a user, I can log in into the application by entering email and password	9	Medium	Sanjana G.I, Nandhini C, Ragavi R, Sridharan K
Sprint-2	Email	USN-4	As a user, I can log in to this application by entering my google account	11	Medium	Sanjana G.I, Nandhini C, Ragavi R, Sridharan K
Sprint-3	Analysing / Detecting Problems	USN-5	As a user, I can be able to analyse the defects in Aircraft Engine	13	High	Sanjana G.I, Nandhini C, Ragavi R, Sridharan K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Analysing / Detecting Problems	USN-6	As a user, I can be able to view the repeated problems occur in Aircraft Engine	7	High	Sanjana G.I, Nandhini C, Ragavi R, Sridharan K
Sprint-4	Solution	USN-7	As a user, I can find the solution and suggestion to maintain regular services	10	High	Sanjana G.I, Nandhini C, Ragavi R, Sridharan K
Sprint-4	Solution	USN-8	As a user, I can find the solution for major problem of the aircraft engine	10	High	Sanjana G.I, Nandhini C, Ragavi R, Sridharan K

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	01 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	06 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	08 Nov 2022

Velocity:

SPRINT DURATION: 6 DAYS

TOTAL AVERAGE VELOCITY:

$AV = \frac{\text{sprint valuation}}{\text{Velocity}}$

$= 20/6$

$= 3.33$ Story points per day