PROJECT PLANNING PHASE
Project Planning (Product Backlog, Spring Planning, Stories, Story Points

Date	22nd October, 2022
Team ID	PNT2022TMID00234
Project Name	Machine Learning – Based Predictive Analytics for Aircraft Engine
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule and Estimation (4 Marks)

SPRINTS	FUNCTION REQUIREMENTS	USER STORY NUMBER	USER STORY / TASK	STORY POINTS	PRIORITY	TEAM MEMBERS
Sprint – 1	Registration	USN – 1	As a user, I can register by entering my E-Mail ID, Password	5	High	Anto Mithun
Sprint – 1		USN – 2	As a user, I will receive Confirmation mail once, I registered for the application	5	High	Jairo
Sprint – 1		USN – 3	As a user, I can register for the application through Facebook	4	Medium	Jeffrey
Sprint – 1		USN – 4	As a user, I can register for the application through Google Account	2	Low	Naveen Prasath
Sprint – 1		USN – 5	As a user, I can register for the application through Linked-In	4	Medium	Anto Mithun
Sprint – 2	Login	USN – 6	As a user, I can log in into this application by entering my E-Mail ID, Password	5	High	Jairo
Sprint – 2		USN – 7	As a user, I can log in into this application through Facebook	4	Medium	Jeffrey
Sprint – 2		USN – 8	As a user, I can log in into this application by entering my Google Account	2	Low	Naveen Prasath
Sprint – 2		USN – 9	As a user, I can log in into this application by entering my Linked in	4	Medium	Anto Mithun
Sprint – 2		USN – 10	As a user, I can able to change the password by using forget password	5	High	Naveen Prasath

Sprint – 3	Analyzing / Detecting Problems	USN – 11	As a user, I can able analyze the defects in Aircraft Engine	5	High	Jairo
Sprint – 3		USN – 12	As a user, I can able to find the defects occurs in Aircraft Engine	5	High	Jeffrey
Sprint – 3		USN – 13	As a user, I can able to view the overall problems occurs in Aircraft Engine	4	Medium	Naveen Prasath
Sprint – 3		USN – 14	As a user, I can able to view the repeated problems occurs in Aircraft Engine	4	High	Anto Mithun
Sprint – 3		USN – 15	As a user, I can able to view the minor and major problems occurs in Aircraft Engine	2	Low	Jairo
Sprint – 4	Solution	USN – 16	As a user, I can view the solution for overall problems of the Aircraft Engine	4	Medium	Jeffrey
Sprint – 4		USN – 17	As a user, I can view the solution for common problems of the Aircraft Engine	2	Low	Naveen Prasath
Sprint – 4		USN – 18	As a user, I can view the solution for minor problems of the Aircraft Engine	4	Medium	Anto Mithun
Sprint – 4		USN – 19	As a user, I can view the solution for major problems of the Aircraft Engine	5	High	Jairo
Sprint – 4		USN – 20	As a user, I can find the solution and suggestion to maintain for regular services	5	High	Jeffrey

Project Tracker, Velocity & Burndown Chart: (4 Marks)

SPRINTS	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 OCT 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	12 NOV 2022
Sprint – 4	20	6 DAYS	14 NOV 2022	19 NOV 2022	20	19 NOV 2022

VELOCITY:

SPRINT DURATION: 6 Days

VELOCITY OF THE TEAM: 20 (Points per Sprint)

TOTAL AVERAGE VELOCITY**:**

$$AV = \frac{sprint\ valuation}{velocity} = \frac{20}{6} = 3.33 \text{ Story points per day}$$

BURNDOWN CHART: