

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

Date	18 October 2022
Team ID	PNT2022TMID06086
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.	2	High	Arunkumar V Boopathi S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Sanjay G DharunKumar C
Sprint-1		USN-3	As a user, I can register for the application through Facebook and other Social Media platforms like LinkedIn	1	Low	Sanjay G Boopathi S
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Arunkumar V Dharunkumar C

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password.	3	High	Boopathi S Sanjay G
Sprint-2	Dashboard	USN-6	As a user, I can Navigate through different pages using the dashboard	3	High	Arunkumar V Sanjay G
Sprint-3	Search	USN-7	As a user, I can search the problems that had encountered in the aircraft engine	3	Medium	Boopathi S Dharunkumar C
Sprint-3	View	USN-8	As a user, I can View the problems that had encountered in the aircraft engine and issues to find the solutions	4	Low	Sanjay G Dharunkumar C
Sprint-4	Analyze	USN-9	As a admin ,I will analyze the problems and issues had occurred to suggest the alternative method to tackle the aircraft engine failure	4	High	Arunkumar V Boopathi S
Sprint-4	Predict	USN-10	As a admin, I will predict the future behaviour of engine failure and provide support	5	High	Arunkumar V Sanjay G

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 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

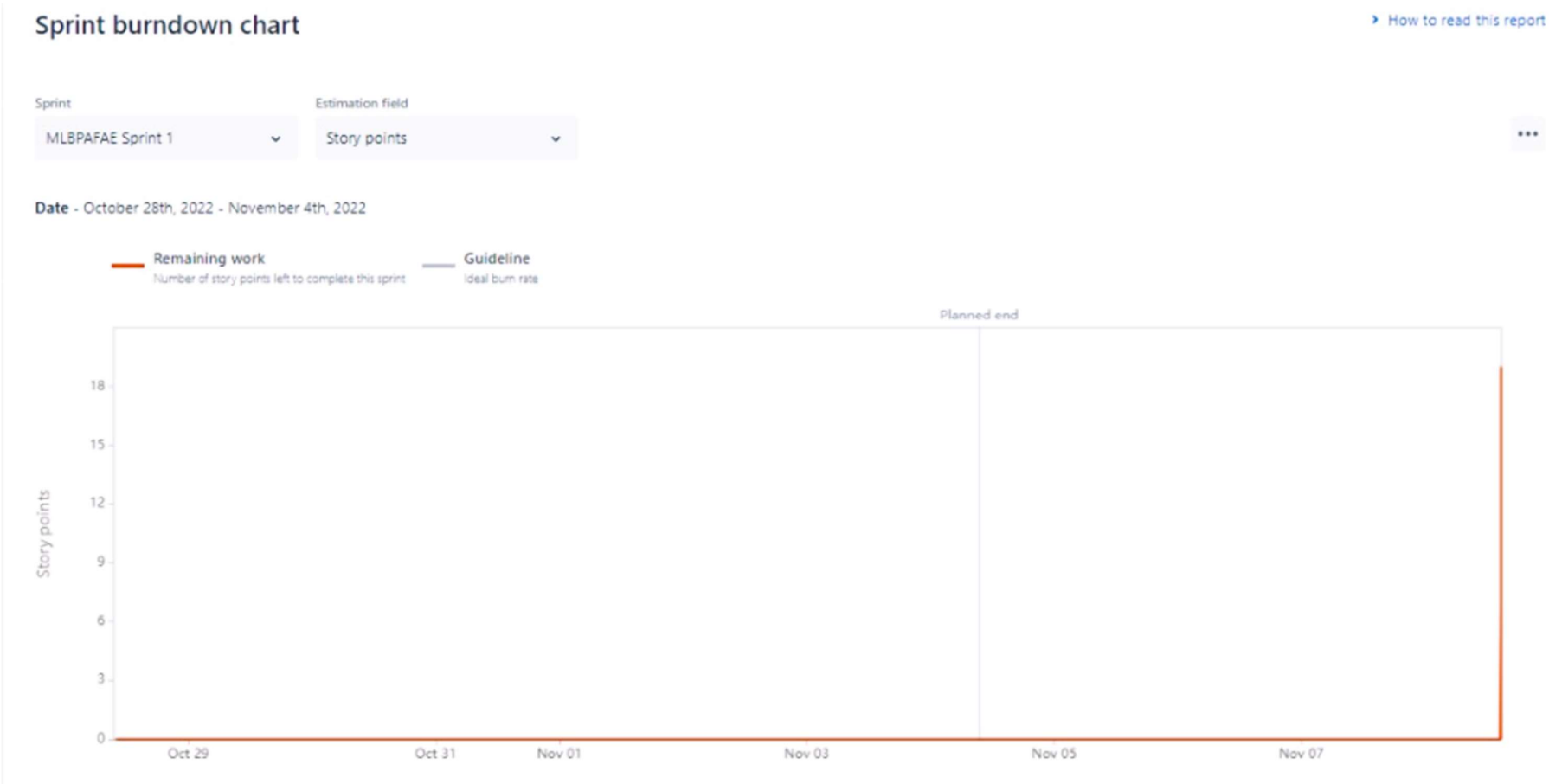
Velocity:

Average Velocity = Sprint Duration / Velocity

$$=20 / 6$$

$$=3.3$$

Burndown Chart:



Roadmap_Chart:

