

Ideation Phase Problem Statements

Date	10 September 2022
Team ID	PNT2022TMID06086
Project Name	Project - Machine Learning-Based Predictive Analytics for Aircraft Engine
Maximum Marks	2 Marks

Customer Problem Statement:

Engine failure is highly risky and needs a lot of time for repair. Unexpected failure leads to loss of money and time. Predicting the failure prior will save time, effort, money and sometimes even lives. The failure can be detected by installing the sensors and keeping a track of the values. The failure detection and predictive maintenance can be for any device, out of which we will be dealing with the engine failure for a threshold number of days.

The project aims to predict the failure of an engine by using Machine Learning to save loss of time & money thus improving productivity.



Reference: <https://miro.com/app/board/uXjVPMXRSYg=/>

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Passenger	Travel Safe	Fear of Aircrash	Technical faults, careless maintenance	Frustated while travelling

PS-2	Pilot	Predict failures	Sudden and unavoidable failures will mislead our prediction	Poor maintenance , weather conditions	Fear of safe landing
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