Ideation Phase
Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID15221
Project Name	Machine Learning-Based Predictive Analytics for Aircraft Engine
Maximum Marks	2 Marks

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.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Engine Manufacturer	Predict engine failure	it takes a long time	complex calculations	frustrated