

Project Design Phase-I
Proposed Solution

Date	1 October 2022
Team ID	PNT2022TMID06086
Project Name	Project - Machine Learning-Based Predictive Analytics for Aircraft Engine
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1	Problem Statement (Problem to be solved)	To predict Aircraft engine failure quickly and accurately
2	Idea / Solution description	Using linear regression and anomaly detection algorithm to predict failures
3	Novelty / Uniqueness	Use of Hybrid machine learning model for prediction
4	Social Impact / Customer Satisfaction	Reduces risk in airways, Ensures safety while travelling
5	Business Model (Revenue Model)	Early failure prediction leads to reduce loss of resources for maintenance.
6	Scalability of the Solution	Adoptable to various types aircrafts