Project Design Phase-I
Proposed Solution Template

Date	23 October 2022
Team ID	PNT2022TMID23879
Project Name	Project - Machine learning based Predictive analytics for Aircraft Engine
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To predict the failure of an engine by using MachineLearning to save loss of time and money thus improving productivity.
2.	Idea / Solution description	Machine learning is a type of artificial intelligence that allows software applications to become more accurate at predicting outcomes without being explicitly programmed to do so. ..Structural failure where a broken connecting rod ,crank, valve, or camshaft is present account for seventeen percent of engine failure occurs. ..The failure can be detected by installing the sensors and keeping a track of the values.
3.	Novelty / Uniqueness	An air craft engine(or aero engine) is a propulsion system for an aircraft. ..Aircraft engines are the key module or the heart in aviation progress.
4.	Social Impact / Customer Satisfaction	The advent of human flight not only boosted our power of movement, but also enhanced our vision.
5.	Business Model (Revenue Model)	The reliability analysis is also important to predict their scheduled maintenance even and the Remaining Useful Life(RUL) of engine parts.
6.	Scalability of the Solution	This app can help customers to get updates of the flight of any part of the flight.