Project Design Phase – I

PROPOSED SOLUTION

TEAM ID	***PNT2022TMID15221***
PROJECT TITILE	***Machine Learning-Based Predictive Analytics for Aircraft Engine***
DATE	***15 October 2022***

SOLUTION FOR PROBLEMS :

S.No	***PARAMETERS***	***DESCRIPTION***
1.	*Problem Statement*	*To predict the failure of an engine by using Machine Learning to save loss of time & money thus improving productivity.*
2.	*Idea / Solution description*	*Machine learning (ML) is a type of artificial intelligence (AI) that allows software applications to become more accurate at predicting outcomes without being explicitly programmed to do so. Structural failures where a broken connecting rod, crank, valve, or camshaft is present account for seventeen percent of engine failures occurs.*
3.	*Novelty / Uniqueness*	*An aircraft engine (or aero engine) is a propulsion system for an aircraft. >Aircraft engines are the key module or the heart in aviation progress.*
4.	*4 Social Impact / CustomerSatisfaction*	*The advent of human flight not only boosted ourpower of movement and also Enhanced our vision.*
5.	*Business Model (RevenueModel)*	*The reliability analysis is also important to predict their scheduled maintenance event and the Remaining Useful Life (RUL) of engine parts.*
6.	*Scalability of the Solution*	*This app can help customers to get updates of theflight of any part of the flight.*