

Project Design Phase-II
Solution Requirements
(Functional & Non-functional)

Date	18 October 2022
Team ID	PNT2022TMID30287
Project Name	Machine Learning-Based Predictive Analytics for Aircraft Engine.
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through form Registration through Gmail Registration through Phone number
FR-2	User Confirmation	Confirmation via mail Confirmation via OTP
FR-3	User Login	Login using Credentials
FR-4	Search	Get the aircraft engine details
FR-5	GPS	Track the mal-function in aircraft engine
FR-6	Analysis	Fetch Dataset
FR-7	Prediction	It will predict the aircraft engine failure and solve the problem

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It indicates how effectively and easy users can learn and use a system.
NFR-2	Security	Assures all data inside the system or its part will be protected against malware attacks or unauthorized access.
NFR-3	Reliability	Specifies the probability of the software performing without failure for a specific number of uses or amount of time.
NFR-4	Performance	It deals with the measure of the system response time under different load conditions.
NFR-5	Availability	The system is accessible for a user at a given point in time.
NFR-6	Scalability	Assesses the highest workloads under which the system will still meet the performance requirements.