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

Date	03October 2022
Team ID	PNT2022TMID41447
Project Name	Project – Machine Learning- Based Predictive Analytics for Air Craft Engine
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Password	Set Password Confirm Password
FR-4	User Verification	Email Verification
FR-5	User Dataset	Add to Prediction System

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Usability is a non-functional requirement, because in its essence it doesn't specify parts of the system functionality.
NFR-2	**Security**	Functional security requirements describe functional behavior that enforces security. Functional requirements can be directly tested and observed.
NFR-3	**Reliability**	Reliability requirements are typically part of a technical specifications document. They can be requirements that a company sets for its product and its own engineers or what it reports as its reliability to its customers.
NFR-4	**Performance**	Performance requirements define how well the software system accomplishes certain functions under specific conditions. Examples include the software's speed of response, throughput, execution time and storage capacity
NFR-5	**Availability**	Availability describes how likely the system is Accessible to a user at a given point in time. While it can be expressed as an expected percentage of successful requests, you may also define it as a percentage of time the system is accessible for

		operation during some time period.
NFR-6	**Scalability**	Non-functional Requirements capture conditions that do not directly relate to the behavior or functionality of the solution, but rather describe environmental conditions under which the solution must remain effective or qualities that the systems must have. They are also known as quality or supplementary requirements.