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

Date	03 October 2022
Team ID	PNT2022TMID00234
Project Name	Project – Machine Learning- Based Predictive Analytics for Aircraft 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 criterion since, at its core, it leaves out some of the functionality of the system.
NFR-2	**Security**	Functional security specifications define the actions that must be taken to enforce security. Functional needs can be tested and seen in action.
NFR-3	**Reliability**	Technical specs documents frequently include reliability criteria. They may be specifications that a business sets for its goods and engineers, or they may be information about the company's dependability provided to clients.
NFR-4	**Performance**	Performance requirements specify how well a software system performs specific tasks under circumstances. Examples include the software's throughput, execution time, reaction time, and storage capacity.
NFR-5	**Availability**	Availability describes the likelihood that a user will have access to the system at specified time. You can define it as a percentage of the time the system is available for operation within a given time period,

		while it can also be represented as an expected percentage of requests that are successful.
NFR-6	**Scalability**	Non -functional in contrast to describing the behaviour or functionality of the solution, requirements explain the environmental circumstances in which the solution must continue to function or the attributes that the systems must possess. They are frequently referred to as supplemental or quality requirements.