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

Date	16 October 2022
Team ID	PNT2022TMID01346
Project Name	Developing a Flight Delay Prediction Model using Machine Learning
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 login	Login through form
FR-4	Forgot password	OTP via email
FR-5	Book Flights	The flight ticket booking is done and receipt of booking is sent to email of user
FR-6	Request Cancellation	The user wants to cancel the ticket reserved due to delay

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	In this project, we use flight data, weather and demand data to predict flight departure delay
NFR-2	**Security**	If a flight is about to leave and a passenger is still at security the airline decides whether to wait for the passenger or not
NFR-3	**Reliability**	The reason you want to arrive to the airport before your flights original time because flight delays are usually not reliable estimates
NFR-4	**Performance**	Performance defines how fast a software system or a particular piece of it responds to certain users' actions under a certain workload. The system should provide accurate delays of the Flight
NFR-5	**Availability**	Availability describes how likely the system is accessible to a user at a given point in time. 24/7 available
NFR-6	**Scalability**	Scalability assesses the highest workloads under which the system will still meet the performance requirements. Can handle multiple users at the same time.