

PROJECT DESIGN PHASE – 2
FUNCTIONAL REQUIREMENT DOCUMENTS

Date:	15 October 2022
Team ID:	PNT2022TMID53187
Project Name:	Developing a Flight Delay Prediction Model Using Machine Learning

Functional Requirements:

Following are the functional requirements of the proposed solution

FR.NO	FUNCTIONAL REQUIREMENTS	SUB REQUIREMENTS
FR-1	User Registrations	Registration through Gmail
FR-2	User Confirmation	Confirmation through Gmail
FR-3	User Login	Login through credentials
FR-4	Authorizations	Accepting terms and conditions
FR-5	Flight Data	Enter Flight Details
FR-6	Prediction	Predict through Models
FR-7	End process	Log Out

Non-Functional Requirements:

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

NFR.NO	NON-FUNCTIONAL REQUIREMENTS	DESCRIPTIONS
NFR-1	Usability	Effectiveness, efficiency, and overall satisfaction of the user while interacting with the application.
NFR-2	Security	Authentication and encryption of the application.
NFR-3	Reliability	Probability of failure-free operations in a specified environment for a specified time.
NFR-4	Performance	How the application is functioning and how responsive the application is to the end-users.

NFR-5	Availability	In spite of the lack of an active internet connection all features of the application are accessible. Synchronization of data cannot be done.
NFR-6	Availability	The capacity of the application to handle growth, especially in handling more users.

