

PROJECT DESIGN PHASE-II
FUNCTIONAL REQUIREMENT DOCUMENT

Date	15th October 2022
Team ID	PNT2022TMID00047
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 REQUIREMENT	SUB REQUIREMENT
FR-1	User Registration	Registration through Gmail.
FR-2	User Confirmation	Confirmation through Gmail.
FR-3	User Login	Login through Credentials.
FR-4	Authorization	Acceptance of Terms and Conditions.
FR-5	Flight Data	Enter Flight Details.
FR-6	Prediction	Prediction through Model.
FR-7	End Process	Logout.

Non-Functional Requirements:

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

NFR No.	NON-FUNCTIONAL REQUIREMENT	DESCRIPTION
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	Scalability	The capacity of the application to handle growth, especially in handling more users.