

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

Date	11 October 2022
Team ID	PNT2022TMID06101
Project Name	Project – 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 Gmail
FR-2	User Confirmation	Confirmation via Email
FR-3	User Login	Login using credentials
FR-4	User Verification	To check if a user is authorized or not
FR-5	Search Flights	The system should allow users to search for their flight details .
FR-6	Flights Status Notification	Passengers can view the status of their flight anytime.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Ease of use Ease of access
NFR-2	Security	Information about the users and their flight details is kept private. Provides assurance to users by informing them of possible flight delay
NFR-3	Reliability	Should provide accurate predictions
NFR-4	Performance	Should provide an uninterrupted connection. High-speed performance
NFR-5	Availability	The system should be available at all times.
NFR-6	Scalability	Can handle multiple users at the same time Accessible even in remote areas