

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

Date	13 October 2022
Team ID	PNT2022TMID30209
Project Name	Developing a Flight Delay Prediction Model using Machine Learning
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through form Registration through Gmail Registration through Phone number
FR-2	User Confirmation	Confirmation via mail Confirmation via OTP
FR-3	User Login	Login using Credentials
FR-4	Search	Get Flight Details
FR-5	GPS	Track flight
FR-6	Analysis	Fetch Dataset
FR-7	Prediction	Train and Test Predictive Models

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Can be used to get details of multiple airlines
NFR-2	Security	Two step verification
NFR-3	Reliability	The flight delays will be accurately predicted
NFR-4	Performance	The web app will take less time to load and display the content
NFR-5	Availability	Can be accessed at anytime from anywhere Available for all irrespective of their purposes
NFR-6	Scalability	The solution can help in reducing the customer dissatisfaction and help in better handling of delays/ cancellations