

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

Date	17 October 2022
Team ID	PNT2022TMID13798
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 Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login using credentials
FR-4	User Verification	To check if a user is authorized
FR-5	Search Flights	The system should allow users to search for their flight details
FR-6	Flight Status Notification	Passengers can view the status of their flight

**Non-functional Requirements:**

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

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