

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

Date	15 October 2022
Team ID	PNT2022TMID24546
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	Flight code validation	Validation through airline database
FR-4	Delay prediction	Prediction result through Gmail Prediction result through Message
FR-5	Airline Support	Collaboration with the airlines customer support
FR-6	Algorithm for prediction	Train the data Predict the data

**NON-FUNCTIONAL REQUIREMENTS:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The UX/UI will be user-friendly and will be highly responsive
NFR-2	<b>Security</b>	The data security will be ensured by using appropriate security measures
NFR-3	<b>Reliability</b>	The application performs for all proper data efficiently
NFR-4	<b>Performance</b>	The application response time will be faster and the data will be processed at a higher speed
NFR-5	<b>Compatibility</b>	The application is highly compatible in any devices.
NFR-6	<b>Scalability</b>	The application is designed in such a way that it can handle ,if any high traffic occurs