

**PROJECT DESIGN PHASE – 2**

**SOLUTION REQUIREMENT DOCUMENTS**

<b>Date:</b>	<b>31 October 2022</b>
<b>Team ID:</b>	<b>PNT2022TMID36161</b>
<b>Project Name:</b>	<b>Developing a Flight Delay Prediction Model Using Machine Learning</b>

**Functional Requirements:**

Following are the functional requirements of the proposed solution

<b>FR.NO</b>	<b>FUNCTIONAL REQUIREMENTS</b>	<b>SUB REQUIREMENTS</b>
FR-1	User Registrations	Registration through Gmail
FR-2	User Confirmation	Confirmation through Gmail
FR-3	User Login	Login through credentials
FR-4	Authorizations	Accepting terms and conditions
FR-5	Flight Data	Enter Flight Details
FR-6	Prediction	Predict through Models
FR-7	End process	Log Out

**Non-Functional Requirements:**

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

<b>NFR.NO</b>	<b>NON-FUNCTIONAL REQUIREMENTS</b>	<b>DESCRIPTIONS</b>
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	Availability	The capacity of the application to handle growth, especially in handling more users.

