

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

Date	20 October 2022
Team ID	PNT2022TMID15779
Project Name	Project – Flight Delay Prediction 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 Google Registration through Gmail Registration through Mobile number
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Flight Details	User has to enter the “From”, “To” and “Departure Time” to receive the Flight details via SMS/web page
FR-4	Informing the Passengers regarding delay	Automated SMS will be sent to passengers if Flight is delayed with the reason for delay
FR-5	Customer Support	A “Contact us” page shall provide required assistance and help to customers
FR-6	Rescheduling Request	The system shall be able to reschedule the airline tickets upon request by passenger by providing the cancellation of existing reservation

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	It should provide user friendly environment to deal with it
NFR-2	<b>Security</b>	The system’s security must be invulnerable to Hacker attack
NFR-3	<b>Reliability</b>	Collecting feedbacks periodically can build a reliable page
NFR-4	<b>Performance</b>	The system must maintain a steady performance even during the peak hours
NFR-5	<b>Availability</b>	Webpage must be maintained properly to avoid the crash caused during high traffic; customer support should be available to passengers all time.
NFR-6	<b>Scalability</b>	Increase of web servers and optimising the performance of webpage during peak hours.