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

Date	20 October 2022
Team ID	PNT2022TMID08017
Project Name	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 requirements	Collect required details like arrival and departure time,flight number,airport information etc to predict the flight delay
FR-4	Notify the user	Notify the delay through the web application.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User familiar with using internet and web application
NFR-2	**Security**	Web application can only be accessed with password protected login credentials
NFR-3	**Reliability**	Model can predict the delay with more accuracy and speed
NFR-4	**Performance**	Performance of the web application depends on the users device and internet connectivity
NFR-5	**Availability**	Available for all devices with a web browser and internet connectivity
NFR-6	**Scalability**	Can handle multiple users at the same time based on the server load