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

Date	03 October 2022
Team ID	PNT2022TMID21212
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 email
FR-2	User Confirmation	OTP verification for confirmation
FR-3	Dashboard and Search	Search for flights by entering the flight details Get to know the details of the flight and other flights
FR-4	View flight details	View the details of the flight View if there were any delays previously
FR-5	Display prediction results	Based on the input given by the user predict the delay Display the prediction results to the user

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Compatible with all browsers
NFR-2	**Security**	The application will be designed in such a way that the user data won't be let out and is secure
NFR-3	**Reliability**	The application will be fast enough and be run on cloud servers to ensure there is no DoS
NFR-4	**Performance**	High accuracy predictions
NFR-5	**Availability**	Available 24/7 as it is deployed in cloud
NFR-6	**Scalability**	Scalable to a very large extent. The only limit is the amount invested to buy cloud services.