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

Date	05 November 2022
Team ID	PNT2022TMID42609
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 • Registration through LinkedIN
FR-2	User Confirmation	• Confirmation via Email • Confirmation via OTP
FR-3	Log In	• Log in with give user credentials
FR-4	Support	• Support option provided for queries and contact customer support team
FR-5	Prediction of delay	• Requesting for prediction by providing details of flight • Shows prediction results
FR-6	Trust ability of prediction	• Gives the confidence percentage about their prediction
FR-7	Notify User	• Notify user with the prediction, if they wish • Notify user about flight arrival before 1 hour
FR-8	Get Feedback	• Get feedback about their experience • Request give rating
FR-9	Log Out	• Log out from the application

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Web app is provided with smooth and user-friendly GUI
NFR-2	**Security**	Data security of user is ensured with IBM Cloud security, login with your secured login credentials
NFR-3	**Reliability**	This web app have reliability by deploying in IBM Watson
NFR-4	**Performance**	50 request per second is handled
NFR-5	**Availability**	99% avail with the help of IBM Cloud
NFR-6	**Scalability**	It had high scalability by having ability to extend there computational resource when request came