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

Date	18 November 2022
Team ID	PNT2022TMID02088
Project Name	Developing a flight delay prediction using machine learning
Maximum Marks	4 Marks

Functional Requirements:

FR No:	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User-Registration	• Registration through forms, • Registration through e-mail.
FR-2	User-Confirmation	• Confirmation via email, • Confirmation via OTPs
FR-3	Log In	• Log in with the correct, given user credentials
FR-4	Support	• Support option is provided for customer queries and to contact customer support team
FR-5	Prediction of delay	• Predicting the delay by providing details of flight • Shows prediction results
FR-6	Trust ability of prediction	• Gives the confidence percentage about their prediction to the passengers/customer.
FR-7	Notify User	• Notify user with the prediction, if got any request • Give prior notification to the user before an hour
FR-8	Get Feedback	• Get feedback about their experience • Request to give ratings for the experience that passenger had.
FR-9	Log Out	• Log out from the application

Non-functional Requirements:

FR No:	Non-Functional Requirement	Description
NFR-1	**Usability**	Web application that is very smooth and user-friendly graphical user interface (GUI).
NFR-2	**Security**	Security of user data is ensured with IBM Cloud Security system, login with your secured login credentials .
NFR-3	**Reliability**	This web application is reliable by deploying in IBM Watson.
NFR-4	**Performance**	Around 60+ request per second is handled.
NFR-5	**Availability**	With the help of IBM Cloud it is avail for 99%.
NFR-6	**Scalability**	It had high scalability by having ability to extend there computational resource when request came.