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

Date	13 November 2022
Team ID	PNT2022TMID22185
Project Name	Project-Airlines Data Analytics in Aviation Industry
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 and Creating IBM Cloud Account Registration and Creating IBM Cognos Analytics Account Registration and Creating GitHub Account and Repository
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Downloading Data Set	Data Collection was done in Kaggle.com website
FR-4	Working On IBM Cognos Analytics	Creating Charts, Reports and Dashboards using IBM Cognos Analytics
FR-5	Downloading and Installing Jyupter Python	Jyupter Python was Downloaded and installed from Anaconda for performing programming and codes for data analysis
FR-6	User Registration	Assignments were done in Google Collab; hence an account was created

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Usage of IBM Cognos Analytics were really beneficial in creating reports and dashboards. When compared to other tools like Power Bi, this has less features
NFR-2	**Security**	Quite Securable but not efficient enough and not known in large amounts
NFR-3	**Reliability**	Moderate Reliable, data exploration has less features, and colours cannot be changed as per the wish of the user
NFR-4	**Performance**	Performance wise, it's not so bad for the use of Students, consumes lot of Data and has less features when compared to Power Bi
NFR-5	**Availability**	Less available for outside users, but one-year free subscription for course enrolled students
NFR-6	**Scalability**	7/10