**Project Design Phase-II**

**Functional Requirements (Functional & Nonfunctional)**

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| Date | 31 October 2022 |
| Team ID | PNT2022TMID35420 |
| Project Name | Airline Data Analytics for Aviation Industry |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | User can easily understand and make use of the features of the application effectively. The application has a simple and user friendly graphical interface. Any action has to be performed with just a few clicks. |
| NFR-2 | **Security** | A proper login mechanism is used to avoid hacking. Personal information of users and other organization details to public will not be disclosed by the organization system. |
| NFR-3 | **Reliability** | Even when the system is disconnected or frozen due to over access at the same time, it should save all the process of the users made up to the point of abnormal happenings. |
| NFR-4 | **Performance** | The system should require an appropriate amount of speed especially while browsing through the catalogue. |
| NFR-5 | **Availability** | The system shall be available all day and all week. User can access at anytime. |

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | Customer Registration | Registrations can be made by the customers through Gmail. |
| FR-2 | User Confirmation | Once the registration is completed, the customer will get confirmation through mail. |
| FR-3 | Visualizing data | The Regular trends of delay of flights  Using IBM cognos Analytics can be visualized by the users. |
| FR-4 | Generating Report | The flight delay report can be viewed by the user. |

**Non-functional Requirements:**

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

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| NFR-6 | **Scalability** | The website can be accessed by a large number of users. |