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

| Date | 03 October 2022 |
|---|---|
| Team ID | PNT2022TMID27835 |
| Project Name | Airlines Data Analytics for 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 through Gmail<br>Registration through Form |
| FR-2 | User Confirmation | Confirmation via Email<br>Confirmation via OTP |
| FR-3 | Visualizing data | Using IBM Cognos Analytics user can visualize the data. |
| FR-4 | Generating Report | Users can view the flight delay reports, schedules. |
| FR-5 | Better airline service | Provide better airline service by analysing time consuming, comfort of passenger. |

## Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | **Usability** | The application is user friendly and effective. The graphical user interface is simple for new users and is done in a short time rather than wasting the user's time. |
| NFR-2 | **Security** | Authentication is the major priority in this application. Security of passengers is ensured at the most. Disclosure of personal information is avoided to protect user's privacy. |
| NFR-3 | **Reliability** | The application should save all the activities that the user made even if the connection gets lost or disconnected thus providing a sense of reliability to the user |
| NFR-4 | **Performance** | The application's speed and response must be in a good manner for providing a good user experience |
| NFR-5 | **Availability** | The application must be accessible anywhere and anytime by the user |
| NFR-6 | **Scalability** | The application must maintain its performance even when the number of users increase. |