**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 03October 2022 |
| Team ID | PNT2022TMID46892 |
| Project Name | Project - Developing a Flight Delay Prediction Model using Machine Learning |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| --- | --- | --- |
| **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 | Flight code validation | Validation through airline database |
| FR-4 | Delay prediction | Prediction result through Gmail Prediction result through Message |
| FR-5 | Airline Support | Collaboration with the airlines customer support |
| FR-6 | Algorithm for prediction | Train the data Predict the data |

**Non-functional Requirements:**

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

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| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The UX/UI will be user-friendly and will be highly responsive |
| NFR-2 | **Security** | The data security will be ensured by using appropriate security measures |
| NFR-3 | **Reliability** | The application performs for all proper data efficiently |
| NFR-4 | **Performance** | The appliation response time will be faster and the data will be processed at a higher speed |
| NFR-5 | **Availability** | The application is highly compatabile in any devices. |
| NFR-6 | **Scalability** | The application is designed in such a way that it can handle ,if any high traffic occurs |