# Project Design Phase-II

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

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| Date | 03 November 2022 |
| Team ID | PNT2022TMID12521 |
| Project Name | Project – Developing a flight delay prediction model by 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 | Registered User -Login | Login through password Login through Gmail  Login through LinkedIn |
| FR-4 | Verify the link provided  by the user | User inputs the link to be verified |
| FR-5 | Display the result | If the site link is a prediction site, user must be aware and read the precautions displayed If the site link is legit exit the  application |
| FR-6 | Share Queries | If any doubts, send query Read FAQs |

# 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** | Describes the ease of use for the  customers. |
| NFR-2 | **Security** | Assures all data inside the system or its part will be protected against malware  attacks or unauthorized attacks. |
| NFR-3 | **Reliability** | Specifies the probability of the software performing without failure for a specific  number of uses or amount of time. |
| NFR-4 | **Performance** | Deals with the measure of the system’s response time under different load  conditions. |
| NFR-5 | **Availability** | Describes how likely the system is accessible for a given user at a given  point of time. |
| NFR-6 | **Scalability** | Assesses the highest workloads under which the system will still meet the  performance requirements. |