**Project Design Phase-II**

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

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| Date | 20 October 2022 |
| Team ID | PNT2022TMID29701 |
| Project Name | Project – Flight Delay Prediction using ML |
| 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 Google  Registration through Gmail  Registration through Mobile number |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | User Flight Details | User has to enter the “From”, “To” and “Departure Time” to receive the Flight details via SMS/web page |
| FR-4 | Informing the Passengers regarding delay | Automated SMS will be sent to passengers if Flight is delayed with the reason for delay |
| FR-5 | Customer Support | A “Contact us” page shall provide required assistance and help to customers |
| FR-6 | Rescheduling Request | The system shall be able to reschedule the airline tickets upon request by passenger by providing the cancellation of existing reservation |

**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** | It should provide user friendly environment to deal with it |
| NFR-2 | **Security** | The system’s security must be invulnerable to Hacker attack |
| NFR-3 | **Reliability** | Collecting feedbacks periodically can build a reliable page |
| NFR-4 | **Performance** | The system must maintain a steady performance even during the peak hours |
| NFR-5 | **Availability** | Webpage must be maintained properly to avoid the crash caused during high traffic; customer support should be available to passengers all time. |
| NFR-6 | **Scalability** | Increase of webservers and optimising the performance of webpage during peak hours. |