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

| Date | 15 October 2022 |
|---|---|
| Team ID | PNT2022TMID33342 |
| Project Name | Personal Expense Tracker Application |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | **Usability** | Effectiveness, efficiency and overall satisfaction of the user while interacting with our application. |
| NFR-2 | **Security** | Authentication, authorization, encryption of the application. |
| NFR-3 | **Reliability** | Probability of failure-free operations in a specified environment for a specified time. |

| NFR-4 | **Performance** | How the application is functioning and how responsive the application is to the end-users. |

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|---|---|---|
| FR-1 | User Registration | Registration through Application<br>Registration through Gmail *to prove their identity* |
| FR-2 | User Confirmation | Confirmation via Email<br>Confirmation via OTP |
| FR-3 | User monthly expense tentative data | Data to be registered in the app |
| FR-4 | User monthly income data | Data to be registered in the app |
| FR-5 | Alert/ Notification | Alert through E-mail Alert through SMS |
| FR-6 | User Budget Plan | Planning and Tracking of user expense vs budget limit |

**Non-functional Requirements:**

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

| NFR-5 | **Availability** | Without near 100% availability, application reliability and the user satisfaction will affect the solution. |
|---|---|---|
| NFR-6 | **Scalability** | Capacity of the application to handle growth, especially in handling more users. |