

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

|               |   |
|---------------|---|
| Date          | 23-October 2022                                       |
| Team ID       | <b>PNT2022TMID26360</b>                               |
| Project Name  | <b>Project - Personal Expense Tracker Application</b> |
| 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 Form<br>Registration through Gmail<br>Registration through LinkedIn    |
| FR-2   | User Confirmation             | Confirmation via Email<br>Confirmation via OTP  |
| FR-3   | User Data                     | Data gathered in the application server is saved in the high security cloud server.         |
| FR-4   | Alert Notification            | Alert messages through the Email or SMS.  |
| FR-5   | User Monthly Budget Plan      | Setting Monthly budget to manage their expenses.  |
| FR-6   | Cloud Data Storage            | To save the user valuable data high security cloud storage are used (AWS, IBM, GOOGLE, etc) |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description   |
|--------|----------------------------|---|
| NFR-1  | <b>Usability</b>           | Effectiveness, efficiency, and overall experience of the user interacting with our application should be maximised. |
| NFR-2  | <b>Security</b>            | Authentication, authorization, encryption of the data must be done in the application.                              |
| NFR-3  | <b>Reliability</b>         | Probability of error in the operations in a specified environment for a specified time should be minimised.         |
| NFR-4  | <b>Performance</b>         | How the application is functioning accurately and effectively the application is to the end-users.                  |
| NFR-5  | <b>Availability</b>        | Using Cloud Storage and database, application reliability and the user satisfaction will affect the solution        |
| NFR-6  | <b>Scalability</b>         | Capacity of the application to handle growth, especially in handling more users.                                    |