

## **PROJECT DESIGN PHASE-II**

### **SOLUTION REQUIREMENTS (FUNCTIONAL & NON-FUNCTIONAL)**

|               |                                      |
|---------------|--------------------------------------|
| Date          | 15 October 2022                      |
| Team ID       | PNT2022TMID07102                     |
| Project       | Personal Expense Tracker Application |
| Maximum Marks | 4 Marks                              |

#### **FUNCTIONAL REQUIREMENTS:**

| FR No. | Functional Requirements (Epic) | Sub Requirements (Story / Sub-task)                      |
|--------|--------------------------------|--|
| FR-1   | User Registration              | Registration through Form.                               |
| FR-2   | Confirmation                   | Confirmation via OTP.                                    |
| FR-3   | User Login                     | Login through valid username and password.               |
| FR-4   | Forgot password                | User can reset the password through mail.                |
| FR-5   | User Calender                  | Allows user to add the data to their expenses.           |
| FR-6   | Expense Tracker                | Graphically represent the expense in the form of report. |
| FR-7   | Category                       | Allows user to add categories.                           |
| FR-8   | Email alert                    | If amount exceeds, alert through mail.                   |

#### **NON-FUNCTIONAL REQUIREMENTS:**

| FR No. | Non-Functional Requirements | Description                                     |
|--------|-----------------------------|---|
| NFR-1  | Usability                   | Helps to keep an accurate record of the amount. |

|       |                     |  |
|-------|---------------------|--|
| NFR-2 | <b>Security</b>     | Secured by the password and prevent the app from the cybercrimes.  |
| NFR-3 | <b>Reliability</b>  | No risk of data loss because each data record is kept in a well built database schema.                                       |
| NFR-4 | <b>Performance</b>  | Categories and options are the types of expense. Because of lightweight database support, the system's throughput increases. |
| NFR-5 | <b>Availability</b> | The app is accesible all the time.   |
| NFR-6 | <b>Scalability</b>  | The ability to appropriately handle increasing demands.  |