

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

|               |                                      |
|---------------|--------------------------------------|
| Date          | 03 October 2022                      |
| Team ID       | PNT2022TMID04644                     |
| Project Name  | Personal Expense Tracker Application |
| 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 Registration through Gmail  |
| FR-2   | Forget Password               | Resetting the password by sending OTP to user's email |
| FR-3   | Dashboard Panel               | Insights about the expenses and navigation panel      |
| FR-4   | Expense Adder                 | User can add their expense and get insights           |
| FR-5   | Notifications                 | Send notification insights to the user's email        |
| FR-6   | User Confirmation             | Confirmation via email                                |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description  |
|--------|----------------------------|--|
| NFR-1  | <b>Usability</b>           | Used to track and manage user's expenses   |
| NFR-2  | <b>Security</b>            | Encrypt data using TLS protocol and hash the data at the server  |
| NFR-3  | <b>Reliability</b>         | Technical support by email assistance  |
| NFR-4  | <b>Performance</b>         | Performance will be constant in any applications it is a web application                                   |
| NFR-5  | <b>Availability</b>        | Available all the time as it is backed by IBM Virtual Servers  |
| NFR-6  | <b>Scalability</b>         | Kubernetes cluster will manage the scalability parts by creating new pods in the cluster whenever required |