**Project Design Phase-II**

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

| Date | 19 October 2022 |
| --- | --- |
| Team ID | PNT2022TMID22008 |
| 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 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | User Wallet Page | Track and watch expenses through graph |
| FR-4 | User add expense | Add through another web page |
| FR-5 | Alert user | Alert the user through automated send grid mail system |

**Non-functional Requirements:**

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

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | **Usability** | Simple see and do, icon and small description based interactive UI with virtual assistant. |
| NFR-2 | **Security** | User login with a high strong password and also planned two step authentication. |
| NFR-3 | **Reliability** | It will work and give results on time and will operate in a good environment without failure |
| NFR-4 | **Performance** | It is loaded in a docker container so the speed of loading is high since it's a light weight process. |
| NFR-5 | **Availability** | There are less dependencies between process layers. So portability is high.. |
| NFR-6 | **Scalability** | We are able to add more users. The workloads are handled through IBM cloud CLI. |