Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 13 October 2022 |
| Team ID | PNT2022TMID41312 |
| Project Name | Project – AI-Powered Nutrition Analyzer for Fitness  Enthusiasts |
| Maximum Marks | 4 Marks |

# Functional Requirements:

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form  Registration through Gmail Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Dashboard and food logging | User will find information such as food intake, progress in achieving fitness goals and various nutritional and  healthy eating tips. |
| FR-4 | Integration with fitness trackers | Feature for integration of wearables or fitness trackers. |
| FR -5 | Push notifications | An important element of any mobile app must utilize it  for health and diet app development |
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# Non-functional Requirements:

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The app will be user-friendly and provide accurate  results |
| NFR-2 | **Security** | Nutrition app allow users to monitor their physical activity which leads to maintain a proper healthy  diet |
| NFR-3 | **Reliability** | Home-based fitness assessments using x app were  reliable and feasible in young and healthy adults |
| NFR-4 | **Performance** | The app will increase the high performance |
| NFR-5 | **Availability** | The property of an application is there and ready to  carry out its task when you need it to be |
| NFR-6 | **Scalability** | The model developed using multiple datasets which  will be useful for future enhancement, however it improves scalability |