PROJECT DESIGN PHASE-II

Solution Requirements (Functional & Non- functional)

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| **Date** | 03 October 2022 |
| **Team ID** | PNT2022TMID10584 |
| **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 Confirmationvia OTP.  The application gives the ability to ask questions about a problem in the fitness groups, through which they  can work effectively. |
| FR-3 | **User Login** | Login through Google Loginthrough Email The satisfaction of each user is a must, so UI/UX should be more than  enough to engage the user in the platform and the performance of the application should be optimized in order to keep  every user for a long time. |
| FR-4 | **Choose package** | Selection of desired package  The user should be engaged in the application at least Once a day to get notified about the latest and good practice on fitness which is recommended by the backend  model. |
| FR-5 | **Generate the daily plan** | Daily plans will be generated by dietician |
| FR-6 | **Manage progress report** | Gathering information from database and generating report |
| FR-7 | **Query** | The user can ask for changes in plan |

# 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** | Easy to use with interactive User Interface  So, the application should be easily accessible by users and also it should have the ability to report an issue by the user to solve it as soon as possible. |
| NFR-2 | **Security** | User can access only their personal information and not that of other users.  Authentication and authorization are to be done properly through the application. |
| NFR-3 | **Reliability** | The average time of failure shall be 7 days.  Application can offer you to stay focused on your diet plan. |
| NFR-4 | **Performance** | The results have to be shown within 10 sec Performance of the application should be high enough to maintain the user in the application and also to get  new users. |

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| NFR-5 | **Availability** | The dietician shall be available to users 24 hours a day, 7 days a week.  The application should be as much as scalable, in  order to increase the number of users based on their interest. |
| NFR-6 | **Scalability** | Supports various food items  The application should be as much as scalable, in order to increase the number of users based on their interest. |