**Project Design Phase-II**

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

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| Date | 15 October 2022 |
| Team Leader | Deepak Kumar Bhagat |
| Project Name | AI-POWERED NUTRITION ANALYSER FOR FITTNESS  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 | User Login | User can login using their personal details and get the home screen of the application. |
| FR-4 | Choose Package | The user can select the package by looking into the offers,features,duration of the package.,etc |
| FR-5 | Generate The Daily Plan | Suitable diet and exercise plans will be generated to the user. |
| FR-6 | Manage Progress Report | Gathering report from database and generating report. |
| FR-7 | Query | The user can ask for changes in their plans. |
| FR-8 | Payment | The payment is made for the selected package . |
| FR-9 | Update the details | The details like height,weight,working hours,eating habits, medical history.,etc is updated in the database. |

**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 system interface will be easy to use with quality attributes. |
| NFR-2 | **Security** | The user will be able to access only their personal information and not that of others.Medical condition and payment methods will be handled through a secured server to ensure protection of  users credit card and personal information. |
| NFR-3 | **Reliability** | The average time of failure shall be 7 days.If the app crashes  then the backup will be given in 7 days. |
| NFR-4 | **Performance** | The app will be properly programmed.The device,server,and  network will be proper.The app will be in the way that the user themselves can perceive the performance of the app. |
| NFR-5 | **Availability** | The AI-Powered Nutrition analyser app will be available to the  users 24/7.If any bug appears then it will be handled within 12 hours. |
| NFR-6 | **Portability** | User must have smartphones that supports later version. |