**PROJECT DESIGN PHASE-II**

**FUNCTIONAL & NON-FUNCTIONAL REQUIREMENTS**

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| **TEAM LEAD**  **TEAM MEMBERS** | **KAVIARASAN K**  **1 KAVIYA D**  **2 NANDHINA A**  **3 JOHN PAUL D**  **4 PRABA M A** |
| **PROJECT NAME** | **AI-POWERED NUTRITION ANALYZER FOR FITNESS ENTHUSIASTS** |

**FUNCTIONAL REQUIREMENTS:**

Following are the functional requirements for the proposed solution.

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| FR NO. | FUNCTIONAL REQUIREMENTS(EPIC) | SUB REQUIREMENT(STORY/SUBTASK) |
| FR-1 | USER REGISTRATION | -Registration via Gmail  -Registration via Mobile Number  -Registration via Face-book |
| FR-2 | USER CONFIRMATION | Confirmation through Email   Confirmation through OTP |
| FR-3 | USER DETAILS | PERSONAL DETAILS FOOD DETAILS   |  |  | | --- | --- | | Age | Food | | Height | Recipe | | Weight | Added ingredients | | Diseases if any | Age | | Conditions is any |  | | Allergies is any |  | |
| FR-4 | USER REQUIREMENTS | -The user simply inputs your recipe ingredients and amounts.  -With already given details the system can alert the consumer if any content of their allergies ,it can alert the consumer The software will instantly produce an accurate readout of your dish in terms of nutritional analysis in a readable format that consumers are familiar |

**NON-FUNCTIONAL REQUIREMENTS:**

Following are the functional requirements for the proposed solution.

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| FR.NO | NON-FUNCTIONAL REQUIREMENTS | DESCIPTION |
| NFR-1 | USABILITY | * No training is required to access the Nutrition Analyzer. * The results should be loaded within 30 seconds. * It should be user friendly and comfortable. |
| NFR-2 | SECURITY | * Help of the username and password it provides more security in which it can access more securable and the data are private. * It should be social-economic which should access to sufficient and safe to use. |
| NFR-3 | RELIABILITY | * It is Important that the AI powered nutrition analyzer for fitness provides should Must reliable. * How a person can find it is reliable? It is easy to find that is he/she can compare the nutrition based food with other nutrition related application so, it can easily rectify whether it is reliable or not. |
| NFR-4 | PERFORMANCE | * It should provide more number of users to consume at any time and at any place. * It should provide Reliability, Scalability, Security and Usability. * It should contain minimum data while over-paging the websites or application and it is necessary |
| NFR-5 | AVAILABILITY | * Easy to access Data. * Avoids Data redundancy and inconsistency. * Fast and Efficient. * User Friendly. |
| NFR-6 | SCALABILITY | * The architecture for AI powered Nutrition Analyzer for fitness provides the clear procedure daily consumption of food and helps the user to maintain a healthy diet. |