PROJECT DESIGN PHASE II

FUNCTIONAL & NON-FUNCTIONAL REQUIREMENTS

TEAM LEADER	**JAYACHITRA M**
TEAM MEMBERS	**1 ANITHA R** **2 DHANALAKSHMI M** **3 SANTHANALAKSHMI M**
PROJECT NAME	**AI-POWERED NUTRITION ANALYZER FOR FITNESS ENTHUSIASTS**

FUNCTIONAL REQUIREMENTS:

Following are the functional requirements for the proposed solution.

<table>
<tr><td>FR NO.</td><td>FUNCTIONAL REQUIREMENTS(EPIC)</td><td>• SUB REQUIREMENT(STORY/SUBTASK)</td></tr>
<tr><td>FR-1</td><td>USER REGISTRATION</td><td>• Registration via Gmail
• Registration via Mobile Number
• Registration via Face-book</td></tr>
<tr><td>FR-2</td><td>USER CONFIRMATION</td><td>• Confirmation through Email
• Confirmation through OTP</td></tr>
<tr><td>FR-3</td><td>USER DETAILS</td><td>PERSONAL DETAILS FOOD DETAILS
<table><tr><td>Age</td><td>Food</td></tr><tr><td>Height</td><td>Recipe</td></tr><tr><td>Weight</td><td>Added ingredients</td></tr><tr><td>Diseases if any</td><td>Age</td></tr><tr><td>Conditions is any</td><td></td></tr><tr><td>Allergies is any</td><td></td></tr></table></td></tr>
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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.

FR.NO	NON-FUNCTIONAL REQUIREMENTS	DESCRIPTION
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.