

## PROJECT DESIGN PHASE II

### FUNCTIONAL & NON-FUNCTIONAL REQUIREMENTS

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TEAM MEMBERS	1 SAIRAM B N 2 SARBESH V 3 PRAVEEN K
PROJECT NAME	AI-POWERED NUTRITION ANALYZER FOR FITNESS ENTHUSIASTS

### FUNCTIONAL REQUIREMENTS:

Following are the functional requirements for the proposed solution.

FR NO.	FUNCTIONAL REQUIREMENTS(EPIC)	SUB REQUIREMENT(STORY/SUBTASK)												
FR-1	USER REGISTRATION	<ul style="list-style-type: none"><li>Registration via Gmail</li><li>Registration via Mobile Number</li><li>Registration via Face-book</li></ul>												
FR-2	USER CONFIRMATION	<ul style="list-style-type: none"><li>Confirmation through Email</li><li>Confirmation through OTP</li></ul>												
FR-3	USER DETAILS	<div>PERSONAL DETAILS FOOD DETAILS</div> <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>	Age	Food	Height	Recipe	Weight	Added ingredients	Diseases if any	Age	Conditions is any		Allergies is any	
Age	Food													
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Weight	Added ingredients													
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Conditions is any														
Allergies is any														

FR-4	USER REQUIREMENTS	<ul style="list-style-type: none"> <li>• The user simply inputs your recipe ingredients and amounts.</li> <li>• With already given details the system can alert the consumer if any content of their allergies, it can alert the consumer.</li> <li>• The software will instantly produce an accurate readout of your dish in terms of nutritional analysis in a readable format that consumers are familiar.</li> </ul>
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### NON-FUNCTIONAL REQUIREMENTS:

Following are the functional requirements for the proposed solution.

FR.NO	NON-FUNCTIONAL REQUIREMENTS	DESCRIPTION
NFR-1	USABILITY	<ul style="list-style-type: none"> <li>• No training is required to access the Nutrition Analyzer.</li> <li>• The results should be loaded within 30 seconds.</li> <li>• It should be user friendly and comfortable.</li> </ul>
NFR-2	SECURITY	<ul style="list-style-type: none"> <li>• Help of the username and password it provides more security in which it can access more securable and the data are private.</li> <li>• It should be social-economic which should access to sufficient and safe to use.</li> </ul>
NFR-3	RELIABILITY	<ul style="list-style-type: none"> <li>• It is Important that the AI powered nutrition analyzer for fitness provides should Must reliable.</li> <li>• 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.</li> </ul>

NFR-4	PERFORMANCE	<ul style="list-style-type: none"> <li>• It should provide more number of users to consume at any time and at any place.</li> <li>• It should provide Reliability, Scalability, Security and Usability.</li> <li>• It should contain minimum data while over paging the websites or application and it is necessary.</li> </ul>
NFR-5	AVAILABILITY	<ul style="list-style-type: none"> <li>• Easy to access Data.</li> <li>• Avoids Data redundancy and inconsistency.</li> <li>• Fast and Efficient.</li> <li>• User Friendly.</li> </ul>
NFR-6	SCALABILITY	<ul style="list-style-type: none"> <li>• 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.</li> </ul>