

**Project Design Phase-II**  
**Solution Requirements (Functional & Non-functional)**

Date	13 October 2022
Team ID	PNT2022TMID19500
Project Name	Project – Nutrition Assistant Application
Maximum Marks	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	<ul style="list-style-type: none"><li>➤ Registration through Form</li><li>➤ Registration through Gmail</li><li>➤ Registration through Facebook</li></ul>
FR-2	User Confirmation	<ul style="list-style-type: none"><li>➤ Confirmation via Email</li><li>➤ Confirmation via OTP</li></ul>
FR-3	User Login	<ul style="list-style-type: none"><li>➤ Login with Username</li><li>➤ Login with Password</li></ul>
FR-4	User Profile Update	<ul style="list-style-type: none"><li>➤ Update User's Name</li><li>➤ Update Portrait Photograph</li><li>➤ Update Date of Birth</li></ul>
FR-5	Uploading Food image	<ul style="list-style-type: none"><li>➤ Upload from Gallery</li><li>➤ Capture using Camera</li></ul>
FR-6	Enter Food name	<ul style="list-style-type: none"><li>➤ Type the name of the food</li></ul>
FR-7	Result	<ul style="list-style-type: none"><li>➤ Download Result</li><li>➤ Share Result through Social media</li></ul>
FR-8	Ratings and Reviews	<ul style="list-style-type: none"><li>➤ Share the experiences</li><li>➤ Provide Feedback</li></ul>

## Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	➤ Accessible through INTERNET
NFR-2	<b>Security</b>	➤ Secure through unique Username and Password
NFR-3	<b>Reliability</b>	➤ Accurate result ➤ User friendly
NFR-4	<b>Performance</b>	➤ Using Standard algorithm to get faster and accurate results ➤ Clarifai's AI-Driven Food Detection Model is used.
NFR-5	<b>Availability</b>	➤ Available for 24/7 ➤ Deep Learning of the food image and predict the results with using the given dataset.
NFR-6	<b>Scalability</b>	➤ It can be accessed by a greater number of users at the same time without any compromise in the performance.