

SOLUTION REQUIREMENTS

(Functional & Non-functional)

Solution Requirements:

They are fall into two large groups are

1.Functional requirements

2.Non-functional requirements

Functional requirements:

Following are the functional requirements of the proposed solution.

Fr.no	Functional requirement	Sub requirement (story/subtask)
Fr.1	User registration	*Registration through form * Registration through Gmail
Fr.2	User confirmation	*Confirmation via OTP *Confirmation via Email
Fr.3	Capturing Image	* Capture the image of the food item and check the parameter of the captured image.
Fr.4	Image processing	* Upload the image to identify the nutrients including in it.
Fr.5	Food identification	Identify the food and predict the nutrients in food
Fr.6	Image decryption	Suggesting the good nutrients in the food

Functional requirements:

Fr.no	Functional requirement	Description
NFR-1	Usability	D atasets of all the food is used to detecting the nutrients that present in the food
NFR-2	Security	the information belongs to the user and food are secured highly.
NFR-2	Reliability	The food quality is important to the predicting the nutrients in food.
NFR-2	Performance	The performance is based on the quality of the food used to predict the nutrients
NFR-2	Availability	it is available for all user to predict the nutrients available in the food
NFR-2	Scalability	increasing the prediction of the nutrients in the food.