NUTRITION-ASSISTANT APPLICATION

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Proposed Solution Template

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	• The project aims at building a web App that automatically estimates food attributes such as ingredients and nutritional value by classifying the input image of food. • Our method employs **Clarifai's AI-Driven Food Detection Model** for accurate food identification and Food API's to give the nutritional value of the identified food.
2.	Idea / Solution description	The proposed system has the following features: • Customized and easy to access interface. • Individual chat rooms with options of fixing appointments for counselling. • Options of capturing data from counselling session for future references. • Counselling for disease oriented diet plans like Ketogenic diet. • Suggest diet plans. • Calorie counter for selected food item. • Alternative dish with required calories. • Calorie values of more than 1000 International and Indian cuisines. • Interesting notes on selected food items. • Recorded health history.

3.	Novelty / Uniqueness	The following features adds uniqueness to this project: • User interacts with the Web App to Load an image. • The image is passed to the server application, which uses Clarifai's AI-Driven Food Detection Model Service to analyse the images and Nutrition API to provide nutritional information about the analysed Image. • Nutritional information of the analysed image is returned to the app for display.
4.	Social Impact / Customer Satisfaction	• The customer satisfaction is very well improved for getting appropriate response from the nutritionist immediately. • As soon as the user uploads the image, within few seconds the prediction result page will be displayed which highly improves the customer satisfaction. • The key customer satisfaction factor is consistency. The consistency is the secret ingredient to make customers happy.
5.	Business Model (Revenue Model)	• Different algorithms are used to correctly map the food items that has been uploaded by the user. • Appropriate algorithms are used to display the prediction result page.
6.	Scalability of the Solution	• The project is capable of handling growth, especially in handling more users and evolving concurrently with the business needs. • It also relates to the app's backend, database and the servers they are hosted on which is highly satisfied by this project.