Project Design Phase-I

Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID34668
Project Name	Nutritional Assistant Application
Maximum Marks	4 Marks

Solution Architecture:

The food we eat gives our bodies the "information" and materials they need to function properly. If we don't get the right information, our metabolic processes suffer and our health declines. Poor nutrition can contribute to stress, tiredness and our capacity to work, and over time, it can contribute to the risk of developing some illnesses and other health problems. If we get too much food, or food that gives our bodies the wrong instructions, we can become overweight, undernourished, and at risk for the development of diseases and conditions, such as arthritis, diabetes, and heart disease. In short, what we eat is central to our health. A healthy diet throughout life promotes healthy pregnancy outcomes, supports normal growth, development and ageing, helps to maintain a healthy body weight, and reduces the risk of chronic disease leading to overall health and well-being.

The goal of this project is to create a web app that automatically predicts food features such as ingredients and nutritional value by classifying the input image of food. For accurate food identification, our solution makes use of **Clarifai's AI-Driven Food Detection Model**.

Solution Architecture Diagram: