NUTRITION ASSISTANT APPLICATION-CLOUD APP DEVELOPMENT

TEAM NO : 3

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S.NO	TITLE	METHODOLOGY	ADVANTAGES	DISADVANTAGES
1	Nutrition research to affect food and a healthy life span	1. Cost Effective analysis 2. Data Mining	1.Specify the role of nutrition in health maintenance 2.Understanding variability in individual responses to diet and foods	1.No research is done about how nutrition affects a patient's response to therapy 2.Discussion is needed to understand and minimize unfavourable impacts of both reduced and elevated nutrient intakes on disease progression and overall health.
2	Developing a nutrition and diet expert system prototype	1.Freeware rule based shell 2.Machine Learning	1.The system will save time instead of going to the human expert. 2.The nutrition and diet knowledge and information in easy, clear, and understandable.	1.Unclear solutions for average people. 2.Not covering everything about nutrition.
3	Development of a cloud based solution for effective nutrition intervention in the management of lifestyle diseases.	1 Information and communication technology 2.Cloud based consultation	1.Customized and easy to access user Interface. 2.Suggest diet plans as per available raw materials.	1.No record on health history. 2.No discussion on ketogenic diet plans.

PROBLEM STATEMENT :

Due to the improvement in people's standards of living, obesity rates are increasing at an alarming speed, and this is reflective to the risks in people's health. People need to control their daily calorie intake by eating healthier foods, which is the most basic method to avoid obesity. However, although food packaging comes with nutrition (and calorie) labels, it's still not very convenient for people to refer. App-based nutrient dashboard systems which can analyze real-time images of the meal and analyze it for nutritional content can be very handy and improve the dietary habits, and therefore, result in a healthy life.

This guided project aims at building a Web App which automatically estimates food attributes such as ingredients and nutritional value by classifying the input image of food. Our method employs the IBM Watson food model for accurate food identification and Food APIs to give the nutritional value of the identified food.