

Literature Survey

Title : Nutrition Assistant Application

Domain : Cloud Application

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S.N O	TITLE	PROPOSED WORK	SOFTWARE USED	TECHNOLOG Y	ADVANTAGES/ DISADVANTAGE S
1	Personalized Dietary Assistant-an intelligent space application	Observes the daily consumption habits of users & apply data mining to learn their taste.	Distributed intelligent networked devices (DINDS)	Data mining Artificial intelligence	Complex to calculate the entire nutritional value.
2	Profile Based System for Nutritional Information Management	Nutritional control by identifying the person's Shopping profile & uses the information to suggest the recommended food.	Mobile Application server	Information technology	An automated way to assist users to control food intake.
3	Intelligent Diabetes Assistant	The system collects & processes the data more efficiently for the care team.	Intelligent Diabetes Assistant (IDA)	Machine Learning	Quick evaluation of patient health.

4	Alexa, what should I Eat? A personalized Virtual nutrition coach for Native American Diabetes Patient	to design an Amazon skill to extend the capability of Amazon Alexa to support diabetes for NA users.	Amazon Alexa software Development kit	Artificial Intelligence	Easy to accepted by the target audience with the help of speech-recognition
5	Plan-Cook-Eat: A Meal planner app with optimal macronutrient distribution of calories based on total daily energy expenditure.	“Plane-cook - eat” A progressive web application that generates meal plan complaints to the necessary macronutrient distribution of daily calories based on individuals’ total daily energy expenditure (TDEE).	AQEL- A nutrition app quality evaluation tool. Data Sources: Food DB, Philippine Food Composition Table, My Food Data, USDA food composition data	Artificial Intelligence, Data analysis.	Generation of meal plan with optimal macronutrient distribution of daily calories.