**Literature Survey**

**Title**  **:** Nutrition Assistant Application

**Domain :** Cloud Application

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| **S.NO** | **TITLE** | **PROPOSED WORK** | **SOFTWARE USED** | **TECHNOLOGY** | **ADVANTAGES/**  **DISADVANTAGES** |
| 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. |