Nutrition Assistant Application Literature Survey

S. No	Title	Authors and Year Published	Design Methodology	Survey Outcome
1.	Personalized dietary assistant — An intelligent space application	1.Balazs Tusor 2.Gabriella Simon Nagy 3.J.T. Toth 4.A.R. Varkonyi -Kouzy Published: 20-23 October 2017	• In this paper, the framework for an Intelligent Space application is proposed that helps its users to achieve a healthier diet in the long term by introducing gradual changes into their consumption habits. • The application observes the daily nutrition intake of its users, applies data mining in order to learn their personal tastes, and educates them about the effects of their current diet on their health. • Then it analyzes the knowledge base to find different food or drink items that align with the perceived preferences, considering their physical properties, activities, and health conditions (e.g. diabetes, celiac disease, food allergies, etc). Finally, the system uses the findings to make suggestions about adding items from the consumption list, or change one item to another.	A graph-based architectu is used to materialise the knowledge base, with ea node standing for a conc or actual instance in the r world. The relationships between the concepts are described by the edges linking the nodes, which may also assign numeric or fuzzy look-up table classifies carry out data mining and idea recognit

2.	An integrated Approach of diet and exercise recommendations For diabetes patients.	1.Irshad Faiz 2.Hamid Mukhtar 3.Sharifullah Khan Published: 15-18 October 2014	• Diabetes is among one of the fastest growing diseases all over the world. • Controlled diet and proper exercise are considered as a treatment to control diabetes. • We have implemented an ontology based integrated approach to combine knowledge from various domains to generate diet and exercise suggestions for diabetics. • The solution is developed as a Semantic Healthcare Assistant for Diet and Exercise (SHADE). For each domain (person, diabetes, food and exercise) we have defined separate ontology along with rules and then an integrated ontology combines these individual ontologies. • Finally, diet recommendations are presented in the form of various alternative menus such that each menu is a healthy and balanced diet.	Controlled diet and prc exercise are picked up patients based on their own food habits. Due t the fact that it is based data that more accurate reflects the patient's habits, this could result better therapeutic guidance.

3.	Mobile Application Based Teli-nutrition System for Covid-19 Pandemic	1.Taslima Akter Tamanna 2.Srijani Choudhury 3.Afsana 4.Mohammad Monirujjaman Khan Published: 27-30 October 2021	• In Bangladesh, lack of healthy sustenance devastatingly affects people's wellbeing and prosperity and the monetary improvement of nations. • With so many people becoming ill from the (COVID-19), poor weight control plans exacerbate pre-existing conditions, putting them at greater risk. • Individuals living with chronic illnesses who have been diagnosed with COVID-19 must improve their health and count calories to ensure that they remain in good health. • Look for direct and psychosocial support from suitably prepared wellbeing care experts, including community-based lay and peer guides. • COVID-19 transmission will offer assistance to protect the role of nutritious nourishment as a partner against sickness. • Any health worker in Bangladesh can easily use this application. • Our health laborers regularly neglect to convey legitimate nourishment data to moms. • The design of this application can provide a legitimate office for conveying sustenance messages to mothers and workers. • This framework may have to be examined occasionally to meet the progression of client prerequisites and be applied properly.	This nutrition tool may used to save data for expectant moms and th new-borns, and it offer the right technique to educate mothers of the nutrition messages bas on their ANC, PNC sta and the age of the new born kid. Nutritionists using this programme can easily carry out the proper wo of communicating diet messages to mothers.

4.	Medicine Assistant and Diet Remainder for Secure Healthcare	1.T Haritha 2.Surendra Babu Sajja 3.Morampudi L.V. Arun Chandu 4.Narendra Nath Jagarlamudi 5.Abburi Nithin Published: 27-28 August 2021	• Real-time assistants are getting smarter every day but getting more complicated for a certain string of people to use. • This assistant helps the end-user to get the medicines and diet remainders. • There are a lot of remainders available in the market, but this work mainly helps elderly people who are not aware of modern technology. • The assistant consists of MSP430f5529 Launchpad as main controller unit. • It consists of operations such as the date, time functionality, displays on the LCD, the audio alerts are given by using a buzzer, the intended medicines, are handed out by using continuous rotation servo and this task is performed using the Ultrasonic sensor.	Wrong intake of medicines or overdose which may lead to deat can be avoided as this assistant helps to give the required medicine a the right time accordin the patient's schedule prescribed by the docto