NUTRITION ASSISTANT APPLICATION

SUBMITTED BY

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PROBLEM STATEMENTS REPORT

1. SmartDiet - Personal Wellbeing Assistant and Diet Planner Mobile Service

Services on top of smart space technologies help in development of the classical humans' aspiration to make life more comfortable, easy and enjoyable in work, entertainment and housekeeping.

2. Diet Monitoring and Management of Diabetic Patient using Robot Assistant based on Internet of Things

It is generally believed that Information andCommunication Technology (ICT) are very useful in the management of diabetes in respect to monitoring of the patients and decision power of the apps but still more improvements are still needed in it for long-term change.

3. An Integrated Approach of Diet and Exercise Recommendations for Diabetes Patients

We have modeled and implemented a Semantic Healthcare Assistant for Diet and Exercise (SHADE) that recommends diet and exercise suggestions, initially as a case study, for type 2 diabetes patients. SHADE's generated. recommendations are based on individual's preferences,personal health profile factors, blood glucose level, disease restrictions, taken diet and performed exercise. SHADE is dynamic and interactive as diet and exercise suggestions are based on latest glucose level, taken diet and performed exercise.

4. Personalized Dietary Assistant - An Intelligent Space Application

One way to achieve this is by adopting one of the many existing diets. As the Internet gains dominance as the primary source of information in the daily life of people, it is naturally among the first places one would start looking for such information, although numerous online sources have been shown to lack accuracy considering dietary guidelines.There are existing initiatives that effectively use technology to educate people about nutrition science (e.g. studied the effectiveness of teaching about nutrition to information technology (IT) professionals through e-learning,studied the feasibility of a text message-based mobile nutrition wellness program, etc.).