MOUNT ZION COLLEGE OF ENGINEERING AND TECHNOLOGY

**Literature Survey on Nutrition Assistant Application in Cloud Applications**

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| Author | Title | Methodology | pros | cons | Inference |
| Manjup.George,Kalpana C.A | DEVELOPMENT OF A CLOUD BASED SOLUTION FOR EFFECTIVE NUTRITION INTERVENTION IN THE MANAGEMENT OF LIFESTYLE DISEASES | Diet consultation tool development | Effective because the application is developed to teach the user about health. | The system inferred in the system is under developed. | Nutrition education software enables the dietitian to effectively conduct awareness campaigns as visual media has a powerful impact on people. |
| Tianren Dong , Yu Sun and Fangyan Zhang | A DIET CONTROL AND FITNESS ASSISTANT APPLICATION | Deep learning and nutrition science. | Application uses deep learning to calculate nutrition. | Not used any cloud technologies. | The solution to the difficulties that stop people from keeping a consistent diet plan can be solved by using the food recognition feature |
| Dario Allegra,Riccardo Polosa | A review on food recognition technology for health applications | Food understanding from digital media. | Usage of digital media makes the application realistic. | Fake data in digital media is inevitable. | Food recognition for health applications is an innovative technology that, once reached satisfactory performances for such specific health applications, will be applied on the dietary and calorific monitoring. |
| Jeong Sun Ahn, Dong Woo Kim | Development of a Smartphone Application for Dietary Self-Monitoring | Dietry tracking | Potential to help individuals and groups to engage in healthy behaviors | Less usage of latest technologies make the application outdated. | The inference is to track dietary supplements and receive real-time feedback |
| Daniel Kirk,Cagatay Catal | Precision nutrition | Personalized nutrition tracking with deep learning. | Usage of latest technology like digital interactions. | No tracking and education system of the related content. | Having interfaces such as smartphone apps that can allow user interaction and regular dietary is efficient. |