

LITERATURE SURVEY

Manju P. George, Kalpana C.A. [1] (2021) Digital health technologies offer valuable means for community to create and share information about healthcare. Measurement of food intake, energy expenditure and constant interaction in the form of personalized information has been offered by digital nutrition platforms during Covid-19 pandemic.

Hauptmann, H., Leipold, N., Madenach, M. et al. [2] (2021) A personalized recommender system named Nutrilize. This system offers automated personalized visual feedback and recommendations based on individual dietary behaviour, phenotype, and preferences.

Manju P. George, Kalpana C.A. [3] (2020) The cloud based system would have the ability to calculate the nutritional requirements and to guide first line nutritional management to patients and clients automatically.

Steven S. Coughlin, Mary Whitehead. [4] (2020) It is believed that Smartphone Applications can help Promote Healthy Diet and Nutrition among individuals. Numerous applications provide features such as goal-setting, healthy recipes, grocery or restaurant choices, tracking of energy and nutrient intake, weight report, fitness challenges etc.

Taren Swindle, Geoff M. Curran, Susan L. Johnson. [5] (2019) This article provides an overview of IS and ideas for its integration with nutrition education and behavior practice and research. Implementation science application in nutrition education and behavior practice can inform real-word implementation efforts.

Jeong Sun Ahn, Dong Woo Kim, Jiae Kim, Haemin Park and Jung Eun Lee.[6] (2019) dietary assessment and monitoring are essential steps to measure dietary intake and provide tailored advice that can improve dietary management and health. Mobile technologies could be used to measure dietary intake or improve the measurement of dietary intake.

Manju P. George, Kalpana C.A. [7] (2018) Development of a computer assisted information tool with cloud-based on-line diet consultation module and comparison of its efficacy with one- to-one counselling would be efficiently utilized for client education intervention programs.

Adewole Adewumi,Godwin Olatunde,Sanjay Misra. [8] (2018) the present study aims to leverage the smartphone platform by developing a smart phone fitness app that tracks the calories burnt by individuals who go about their daily activities while carrying their smart phones with them.

Emma Tonkin, Julie Brimblecombe, Thomas Philip Wycherley. [9] (2017) This work maps the features, key content, theoretical approaches, and methods of consumer testing of applications intended for nutrition improvement in community settings. A systematic, scoping review methodology was used to map published, peer-reviewed literature reporting on applications with a specific nutrition-improvement focus intended for use in the community setting.

Melanie Hingle, Heather Patrick, PhD. [10] (2016) Mobile health (mHealth) is an emerging field devoted to the use of mobile and wireless devices to affect health outcomes, health care services, and health research. Despite great promise, little research has examined its effectiveness.

Rodrigo Zenun Franco, Rosalind Fallaize, Julie A Lovegrove, and Faustina Hwang [11] (2016) The author analyzed the main features of the most popular nutrition apps and to compare their strategies and technologies for dietary assessment and user feedback.

Judi Porter, Catherine E. Huggins[12] (2016) The published literature was systematically reviewed to determine the effect of using mobile electronic devices to record food or nutrient intake on diabetes control and nutrition outcomes.

Kiatateeti Anusornpakdee, Matugorn Limpanadusadee [13] (2014) developed an application on mobile devices that is able to record the daily sleeping, exercise and nutrition information, analyze the collected information in order to provide a notification or an alarm, and present the analyzed results in a simple and easy to understand format.

REFERENCES

1. Manju P. George, Kalpana C.A. Digital Nutrition Consultation Among Hand-Held device users during Covid-19 pandemic(2021). <https://www.researchgate.net/publication/357303031>
2. Hauptmann, H., Leipold, N., Madenach, M. et al. Effects and challenges of using a nutrition assistance system: results of a long-term mixed-method study. *User Model User-Adap Inter* (2021). <https://doi.org/10.1007/s11257-021-09301-y>
3. Manju P. George, Kalpana C.A. Development of a cloud based solution for effective nutrition intervention in the management of lifestyle diseases(2020). <https://www.researchgate.net/publication/346411010>
4. B.Prasanna Rani, M.N.Rupika Reddy, S.Bhavani. Virtual Diet Assistant (2020). <https://www.irjet.net/archives/V7/i5/IRJET-V7I5948>
5. Taren Swindle, Geoff M. Curran, Susan L. Johnson. Implementation Science and nutrition education and behavior(2019). [https://www.jneb.org/article/S1499-4046\(19\)30127-7/fulltext](https://www.jneb.org/article/S1499-4046(19)30127-7/fulltext)
6. Jeong Sun Ahn, Dong Woo Kim, Jiae Kim, Haemin Park and Jung Eun Lee. Development of a smartphone application for dietary self-monitoring (2019). <https://www.frontiersin.org/articles/10.3389/fnut.2019.00149/full>
7. Manju P. George, Kalpana C.A. Development of a cloud based solution for effective nutrition intervention in the management of lifestyle disease(2018). <https://www.researchgate.net/publication/346411010>

8. Adewole Adewumi, Godwin Olatunde, Sanjay Misra. Developing a calorie counter fitness app for Smartphones(2018). <https://www.researchgate.net/publication/323313861>
9. Emma Tonkin, Julie Brimblecombe, Thomas Philip Wycherley. Characteristics of Smartphone Applications for Nutrition Improvement in Community settings(2017). <https://academic.oup.com/advances/article/8/2/308/4558066#authorNotesSectionTitle>
10. Melanie Hingle, Heather Patrick, PhD. Navigating mobile technology for nutrition education and behaviour(2016). [https://www.jneb.org/article/S1499-4046\(15\)00812-X/fulltext#secsectitle0010](https://www.jneb.org/article/S1499-4046(15)00812-X/fulltext#secsectitle0010)
11. Rodrigo Zenun Franco, Rosalind Fallaize, Julie A Lovegrove, and Faustina Hwang Popular Nutrition-Related Mobile Apps: A Feature Assessment(2016). <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4985610/>
12. Judi Porter, Catherine E. Huggins. The Effect of Using Mobile Technology-Based Methods That Record Food or Nutrient Intake on Diabetes Control and Nutrition Outcomes(2016). <https://www.mdpi.com/2072-6643/8/12/815>
13. Kiatateeti Anusornpakdee, Matugorn Limpanadusadee. Personal Health Assistant on android mobile device: sleeping, nutrition and exercise (2014). <https://www.researchgate.net/publication/268334408>