

LITERATURE SURVEY

S.No	Paper /conference / journal Name	Author & Year	Description
1	5thKKU International Engineering Conference	Kiatateeti Anusornpakdee & March 2014	This conference paper aims to develop 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. The proposed application can collect data from other applications and from the users. A set of simple data analysis methods is performed on the collected data in order to provide personal health advice based on the user's predefined preferences.
2	Journal of the American Medical Informatics Association	Gabrielle M Turner-McGrievy, Michael W Beets, Justin B. Moore, Andrew Kaczynski & FEB 2013	In this paper aims to Self-monitoring of PA, which includes recording frequency, intensity, time, and type of activity, is an important component of a weight loss program but can add to participant burden,using mobile devices for self-monitoring holds promise for making self-monitoring easier (through

			automatic calculation of energy intake and expenditure) and presents an opportunity for real-time self-monitoring
3	International Journal of Research and Analytical Reviews (IJRAR)	P. Kamakshi Priyaa, Dr. L. Arockiam , M. Phil. Scholar & JUNE 2019	In this research paper The survey provides valuable insights about the various advancements of IoT in the healthcare industry and the need for nutrition and dietary monitoring. A varied number of nutrition monitoring systems for the estimation and prediction of calories have been developed using various machine learning techniques and also with advanced deep learning based techniques
4	IEEE 21st International Conference on Intelligent Engineering Systems (INES)	Balazs Tusor, Gabriella Simon-Nagy, J.T. Toth, A. R. Varkonyi-Koczy & 2017	The framework for an Intelligent Space application is proposed that helps its users to achieve a healthier diet in the long term by introducing small, 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, while also add to the balance of the daily nutrition of the users considering their physical properties, activities, and health conditions