 UNIVERSITY COLLEGE OF ENGINEERING,

(A CONSTITUENT COLLEGE OF ANNA UNIVERSITY,

CHENNAI) PANRUTI-607 106.

# LITERATURE SURVEY

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| TEAM ID | PNT2022TMID39315 |
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| TITLE | AUTHOR | YEAR | TECHNIQUE | PROBLEM STATEMENT |
| Android-based food recognition app for nutrition awareness | Arnel B.okay,Jane M.Fernandez,t hlma D.palaoag | 2022 | Nutritrack android food recognition,food analysis,food tracking. | In this study, the researcher’s attempts to design and develop an android-based food recognition application that could be used as a health awareness tool for non-health conscious individual. |
| Smartphone Apps for Tracking Food Consumption and Recommendations: Evaluating Artificial Intelligence-based Functionalities, Features and Quality of Current Apps | Sabiha Samada , Fahmida Ahmeda , Samsun Nahera , Muhammad Ashad Kabirb,c , Anik Dasd , Sumaiya Amind , Sheikh Mohammed Shariful Islame | 2022 | Smartphone apps, food nutrition, food consumption, food recommendations, apps evaluation, design guidelines | According to our assessment, most mobile apps in the app stores do not satisfy the overall requirements for tracking food consumption and recommendations. “Food visor” is the only app that can automatically recognise food items, and compute the recommended volume and nutritional information of that food item. |
| Food image recognition and food safety detection | Ying wang, Jianbo wu,hui deng | 2021 | Cloud health care,cloud coumputing, health care informatics,cyber mertices,co word analysis | In addition, a method for foreign body detection and recognition in food is proposed. |
| Food calories estimation using image processing | Foodzilla | 2021 | web-based nutrition analysis software | Track nutrition by photos,fodmap&keto recipes,food diary and nutrients tracker to estimate the food calories |
| Food recognition and calorie measurement using image processing | V.Hemalathea reddy,Soumya kumari,vinitha muralidharan,k aran gigoo | 2020 | Android, cloud computing, nutrition awareness photo recognition nutrition estimation. | Since, obesity has become such a widespread disease, various mobile health applications have been developed for assistive calorie. |
| Food nutritional detection,visualisation and recommendation for health monitoring using image processing. | Rutiya rewane P.M.chouragade | 2020 | Healthy lifestyle,image processing,health monitoring,food nutritional detection,food nutritional recommentation | Food item will be identified from the image taken and its calorie contents will be shown to the user. To make great of the emerging technologies for living a fit and healthy! lifestyle, a system for Food Nutritional Detection, Visualization and  Recommendation for Health Monitoring is developed |
| A real time food detection mobile application | Jianing sun,Katarzyna radecka,zeliko zilic | 2019 | Cloud computing, android | We present detection results that including bounding box position and class label. |
| Smartphone Application for Promoting Healthy Nutrition. Diet & nurition | Steven & Coughlin, , Marys Whitehead. Jayce Q Sheats, Jeff Mastromonico, | 2019 | Accuracy: smartphone Application Cell Phones, Diet, Nutrition, obesity 9 Randomized  control trails,  weight loss | In epidemiologic and health intervention studies involving dietary  self-monitoring and assessment of energy and nutrient intakes, smartphones and PDAs have been successfully used to allow research participants to select food and portion size from databases and to photograph food selection and send the images to a server for food intake estimation. |
| Food For Care: An Android application for Self healthy food. self-Care with healthy food | Natnicha Suthumchai, Surin Thongsukh, Pacharamai yousuk sata poon, songori Tangsripai roj | 2018 | android application, healthy food, food intake, nutrition analysis, food calories, self-care | This application can give an overview on food calories and nutrition so that they can eat wisely. Finally, the development of this application hopes to help Thai people in order to manage their total nutrition and calories taken for a healthier lifestyle and will directly decrease the number of people who are getting diseases caused from a disorder of food and nutrition |
| Development cloud based Solution for effective Nutrition Intervention in the Management of Lifestyle Diseases | Manju P. George Kalpana CA | 2018 | Web Based Tool. cloud Based System. Electronic And Medical Dietetic Record. Nutrition support | Nutritional Support is the provision of adequate nutrients to maintain a healthy body weight and avoid under nutrition. Automatic and nutrition requirement generally employed with tools such as computerised systems, mobile based systems. and other Buch technologies. which are more personalised and handy to the users. In cloud computing with its immense computation power for easily deployment of healthcare monitoring algorithms. and helps to process sensed data proposed outcome for the cloud in Mobile platform to suggest |