Literature Survey

Date	25th September 2022
Team ID	PNT2022TMID36413
Project Name	AI-poweredNutritionAnalyserforFitnessEnthusiasts65GP

SI.NO	Title	Author	Year of Publishing	Objective
1.	An Artificial Intelligence-Based System for Nutrient Intake Assessment of Hospitalized Patients	Ya Lu , Thomai Stathopoulou , Maria F. Vasiloglou , Stergios Christodoulidis	2019	Regular nutrient intake monitoring in hospitalized patients plays a critical role in reducing the risk of disease-related malnutrition (DRM)
2.	AI-based Workout Assistant and Fitness guide	Gourangi Taware , Rohit Agrawal , Pratik Dhende , Prathamesh Jondhalekar, Shailesh Hule	2022	This is an application that detects the users exercise pose counts the specified exercise repetitions and provides personalized, detailed recommendations on how the user can improve their form.
3.	Application Of Artificial Intelligence On Nutrition Assessment And Management	Dr. Kavita Sudersanadas	2021	The computer draws a rectangle surrounding the classified objects for detecting them and the identified parts/segments of the object and it understands what object they belong to and their nutritional value.
4.	Virtual Nutritionist using AI	Siddarthan Chitra Suseendran, Nanda Kishore B, Josephus Andrew, M.S.Rajyashree	2020	This system has an application that has already record and stored several researches in its server based on: - Diets Food profile medical conditions Lifestyles Body Type and provide feasible dietary plan.
5.	Deep Food: Food Image Analysis and Dietary Assessment via Deep Model	Landu Jiang, Bojia Qiu , Xue Liu , Chenxi Huang , Kun Hui Lin	2020	A three-step algorithm to recognize multi-item (food) images by detecting candidate regions and using deep convolutional Neural Network (CNN) for object classification