

# AI-powered Nutrition Analyzer for Fitness Enthusiasts

Date	19 <sup>th</sup> October 2022
Team ID	PNT2022TMID51536
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	4 Marks

## Literature Survey

JOURNAL NAME	PROJECT NAME	AUTHORS	OBSERVATION	DRAWBACKS
<b>European Journal of Pharmaceutical and Medical Research</b>  ISSN : 2394-3211 Volume: 8 Issue: 6 June 2021	Application of Artificial Intelligence on Nutrition Assessment and Management	Dr. Kavitha Sudersanadas	They Mainly focus on hospitalized patients' food. Even though commercial AI-based nutritional assessment systems are available, many do not evaluate nutrient intake, and the data available through them were not validated.	That the specific program is not fit for all the cuisines and meal patterns across the world.
<b>International Journal of Engineering Applied Sciences and Technology</b>  ISSN : 2455-2143 Volume: 5 Issue: 12 April 2021	Dietexpert-Android Application for Personal Diet Consultant	Garvita Gehlot	Without good nutrition, your body is more prone to disease, infection, fatigue, and poor performance. Children with a poor diet run the risk of growth and developmental problems and poor academic performance, and bad eating habits can persist for the rest of their lives.	When your body does not get enough calories, it slows down your metabolism and energy levels. While dieting your calorie intake should not be less than calories.
<b>International Journal of Research and Analytical Reviews</b>  E-ISSN : 2348-1269 Volume: 6 Issue: 2 June 2019	A Survey on Nutrition Monitoring and Dietary Management System	Kamakshi priya prakash	They created a diet plan with machine learning techniques to avoid deadly diseases and monitor the food intake of children and adults to estimate the calories	International Journal of Research and Analytical Reviews
<b>Current Journal of Applied Science and Technology</b>  ISSN : 2457-1024 Article no.: CJASt.67947 Issue: 24 April 2021	Application of Artificial Intelligence in Healthcare: Chances and Challenges	Ravi Manne and Sneha C. Kantheti	Predicting what treatment protocols will be given on a patient, and this is determined based on past data of patients using precision medicine. This type of determination from previous learning will require training the model using datasets, and this approach is called supervised learning.	Many network parameters are needed for a neural network and to achieve this lot of data is needed.