AI-POWERED NUTRITION ANALYZER FOR FITNESS ENTHUSIASTS

TEAM ID : PNT2022TMID04889

LITERATURE SURVEY

S.NO	PAPER	AUTHOR	YEAR	DESCRIPTION
1	Physical Workout Classification Using Wrist Accelerometer Data by Deep Convolution-al Neural Networks	Jaehyun Park and Jaeyong Chung	2019	The purpose of this study is to maximize accuracy by applying deep learning to the classification of body movements. The results of this experiment are applicable not only to the classification of fitness activities but also to the classification of different motions in numerous sporting events.
2	Relationship Between Health Status and Physical Fitness of College Students From South China: An Empirical Study by Data Mining Approach	Weihua Bai and Teng Zhou	2020	Armed with the trained model, we mine and highlight the relationship between the motor competence related physical fitness and the medical health status of the college students.
3	Application of Motion Sensor Based on Neural Network in Basketball Technology and Physical Fitness Evaluation System	Bin Yuan, M. M.Kamruzzaman and Shaonan Shan	2021	Mobile sensors and intelligent systems to evaluate the physical fitness by 1000-meter running, 1-mile running, 20-meter round-trip running, and 12-minute long distance running.
4	Fitness Monitoring System Based on Internet of Things and Big Data Analysis	Jing Lu	2021	Efficient physical fitness monitoring can effectively reduce the risks of disease and relieve the medical burden. This paper analyzes the shortcomings of traditional clustering routing protocols, and proposes a new internet of Things (IoT) clustering routing algorithm using Particle Swarm Optimization (PSO).