

Title: Internet of Sensing Things-Based Machine Learning Approach to Predict Parkinson

Author: Sohana Afroz, Tajim Md. Niamat Ullah Akhund, Tarikuzzaman Khan, Md. Umaid Hasan, Rashida Jesmin & M. Mesbahuddin Sarker

Abstract: With the help of the Internet of things, therapeutic science has progressed surprisingly. Lots of elderly individuals are affected by Parkinson's disease. This work proposed an Internet of sensing things-based system to collect data from Parkinson's affected people analyze the collected data in a cloud server with machine learning algorithms and predict the condition of the patient. Multiple types of sensors are used and tested. Micro-controllers are used to collect data from sensors and send them to a cloud server. Then, multiple machine learning algorithms are used to predict the patient's condition. Results between several methods are also compared.

Keywords: Internet of things (IoT), Parkinson prediction, Internet of sensing things (IoST), Machine learning (ML), Neurodegenerative disorder (NDD)

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