A Project Abstract

on

STRESS AND DEPRESSION DETECTION CHATBOT

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in

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ABSTRACT

Nowadays, stress and depression have become a growing problem for society due to their high impact on individuals' performance. As per the statistics of Mental Health Foundation, 50% of adults who felt stressed reported feeling depressed. Therefore, it is essential to provide a service that can identify people with stress and depression at an early stage to avoid potential crisis. Few studies have shown the effectiveness of text analysis in detecting emotions and mental illness. There are few solutions for this problem to get solved individually. We aim to integrate by adding small enhancements to detecting stress and depression by processing a few statistical data, also considering a few attributes like electrocardiogram, heart rate, respiration etc. and textual data obtained by answering the questions on the chatbot. In this approach, we use word-level division and analysis of words for detecting the symptoms of stress and depression in an individual. We use a few machine learning algorithms and AI to create this Stress and Depression Detection Chatbot (SDDC) with some increase in accuracy.

Keywords: *Machine learning, Artificial Intelligence, electrocardiogram, heart rate, Chatbot.*

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