Development Food Healing Application Based on Mood Identification Using Intelligent Automatic Heartbeat Recognition System

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Abstract

Daily pressure activity specially in workplace or any society condition may cause stress or pressure for the people deal with that condition. This stress may causing of decreasing of work performance and achievement in the daily activity. Furthermore, in worse condition, people may go to psychiatrist consulting regarding the condition in order to heal the stress or pressure feeling. In this work, food recommendation healing to improve the mood based on mood recognition using heartbeat rate detection system is developed. Mood detection results will be used to recommend foods that can improve the mood. the mood detection system work based on automatic intelligent heartbeat rate identification. This system installed on an Android cellphone, so its make the system more flexible and portable. the system has also connected to the web, in order used by doctors to monitor the patient's condition if the patient is being monitoring due to health mental diseases treatment. This system has worked properly with mood detection based on heartbeat rate with 96% and 97%, training and testing accuracy, respectively. Furthermore, this system is connected to the website for monitoring purposes for the psychiatrist to monitor their patient intern of mood changing fluctuation.

Keywords
individual, leadership, team, transformational, resilience.