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(71)**Name of Applicant :**
1)CHITKARA INNOVATION INCUBATOR FOUNDATION
Address of Applicant :SCO: 160-161, SECTOR – 9C, MADHYA MARG, CHANDIGARH – 160009, INDIA (IN) Chandigarh Chandigarh India
(72)**Name of Inventor :**
1)Chetna Gupta
2)Dr. Vikas Khullar

(57) Abstract :
An Internet of Things (IoT) based device (100) for detection of Major Depressive Disorder (MDD) is disclosed. The device (100) is a handheld and automated device to screen Electroencephalography (EEG) input signal for detection and classification of Major Depressive Disorder (MDD) through already trained deep learning models. The device (100) firstly gathers EEG signals from an input unit (102). Further, the device (100) feeds the gathered EEG signals to a processing unit (104) for classification of the MDD in real time to predict an output selected from “depression” or “no depression” by using a trained deep learning technique. Furthermore, the device (100) displays the predicted output on a display unit (108). Claims: 10, Figures: 3 Figure 1 is selected.

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