Abstract

Largest proportion of people suffering from depression are women on account of hormonal imbalances occurred owing to varied reasons such as Pregnancy, Polycystic Ovary Syndrome (PCOD), Premenstrual syndrome (PMS), menopause, malnutrition etc. In this respect, it is very much necessary to create awareness among them about drastic implications of depression on their life. Moreover, there is also need to provide them with very easy to use mechanism for detecting and treating depression level at its earlier stage in order to improve the confidence level, decision making and quality of life. In an attempt, this paper address this clinically critical issue by providing valuable comprehensive survey with respect to aforesaid topic and proposing a wireless affective brain computer interaction based easy to use assessment model to detect depression and anxiety levels with the objective to reduce level of depression by contributing to the multidisciplinary fields of neuroscience, psychology and computer science.


Index Terms

Computer Science  Wireless

Keywords

Affective Brain Computer interface, electroencephalogram, neuroscience