Abstract

Brain Computer Interface is an approach through which people can interact with machines independent of muscles or nerve. Brain Computer Interface derives the electrical signals from the brain and converts the recorded analog signals into corresponding control signals with the help of functional computer. Brain Computer Interface is used to enhance the cognitive performance of a learner. Primarily, the review endows the acquisition of signal processing; there are differentiated activity functions of the brain in the form of electrical signals and magnetic signals in proportional to metabolic activity occurred. Secondly, the EEG signals control user intentions detected in brain activity. Thirdly, an overview of various BCI applications to classify the attention levels of the learners and help provided the enhancement in cognitive performance.

References

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14. “Emotiv EPOC neuroheadset [5]; (b) Neurosky Mindwave _ Open-i.”

