



SURVEY ARTICLE

TECHNOLOGY BOON: EEG BASED BRAIN COMPUTER INTERFACE - A SURVEY

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Abstract— The BCI research has now witnessed incredible expansion using invasive and non- invasive methods but especially the use of Electroencephalogram (EEG) signals (method of non-invasive BCI) has attained a lot of significance. The applications of EEG based BCI ranges from medicine to entertainment. In this paper, a general Electro-Encephalogram (EEG) based BCI system is discussed. Thus development of an EEG based brain-computer interface (BCI) devices could be the most important technological breakthrough in decades [3], which, primarily aim to improve the eminence of life of the disabled peoples to operate Computer devices and applications through their mental activities.

Key Terms: - BCI; EEG; Neuroimaging; Feature extraction; classifiers

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