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Data Analysis And Data Classification Techniques For Meditative And Non-Meditative Brain Rhythms Using EEG Signals

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Abstract :
This research aims new perceptions are obtained into the nature of EEG during meditation and non-meditation. Statistical comparison of the recorded signals. The paper covers the brain constituents, EEG patterns, EEG data acquisition equipment basics, essentials of classification techniques. This paper includes the effectiveness of signal processing and electroencephalography basics. It also includes the acquisition of the EEG signal in research at the time of implementation in Brain Computer Interfaces. The objective of this paper is EEG data acquisition of meditative and nonmeditative subjects and their statistical analysis field as well as building elementary perception for performing EEG data acquisition and analysis.