

# Study on Cognitive assessment using EEG based Brain Computer Interface

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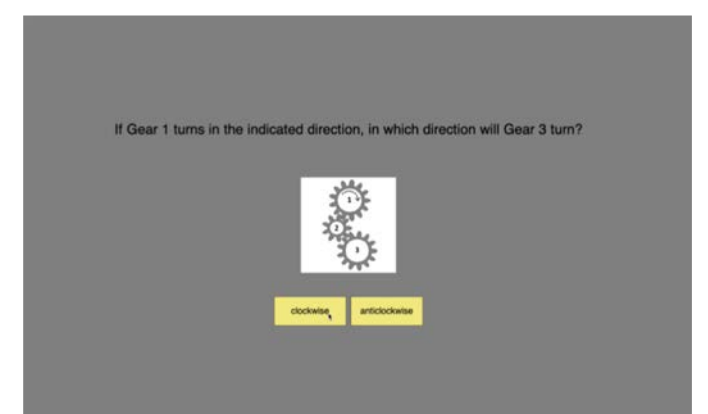
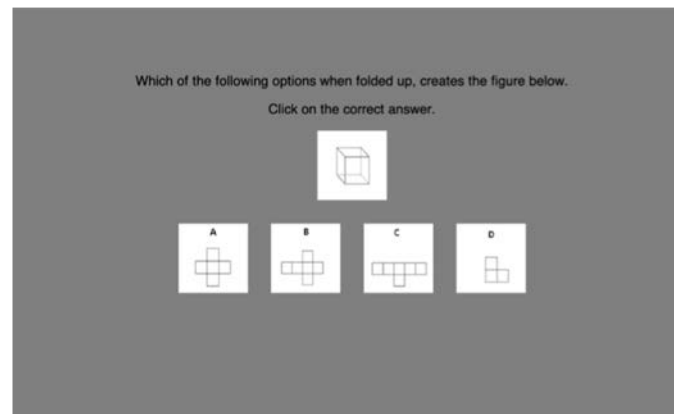
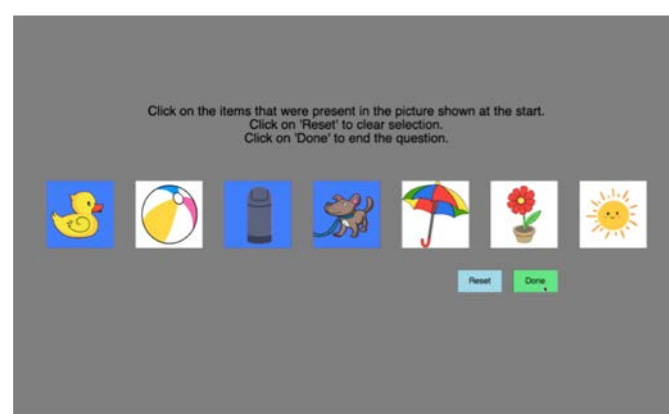
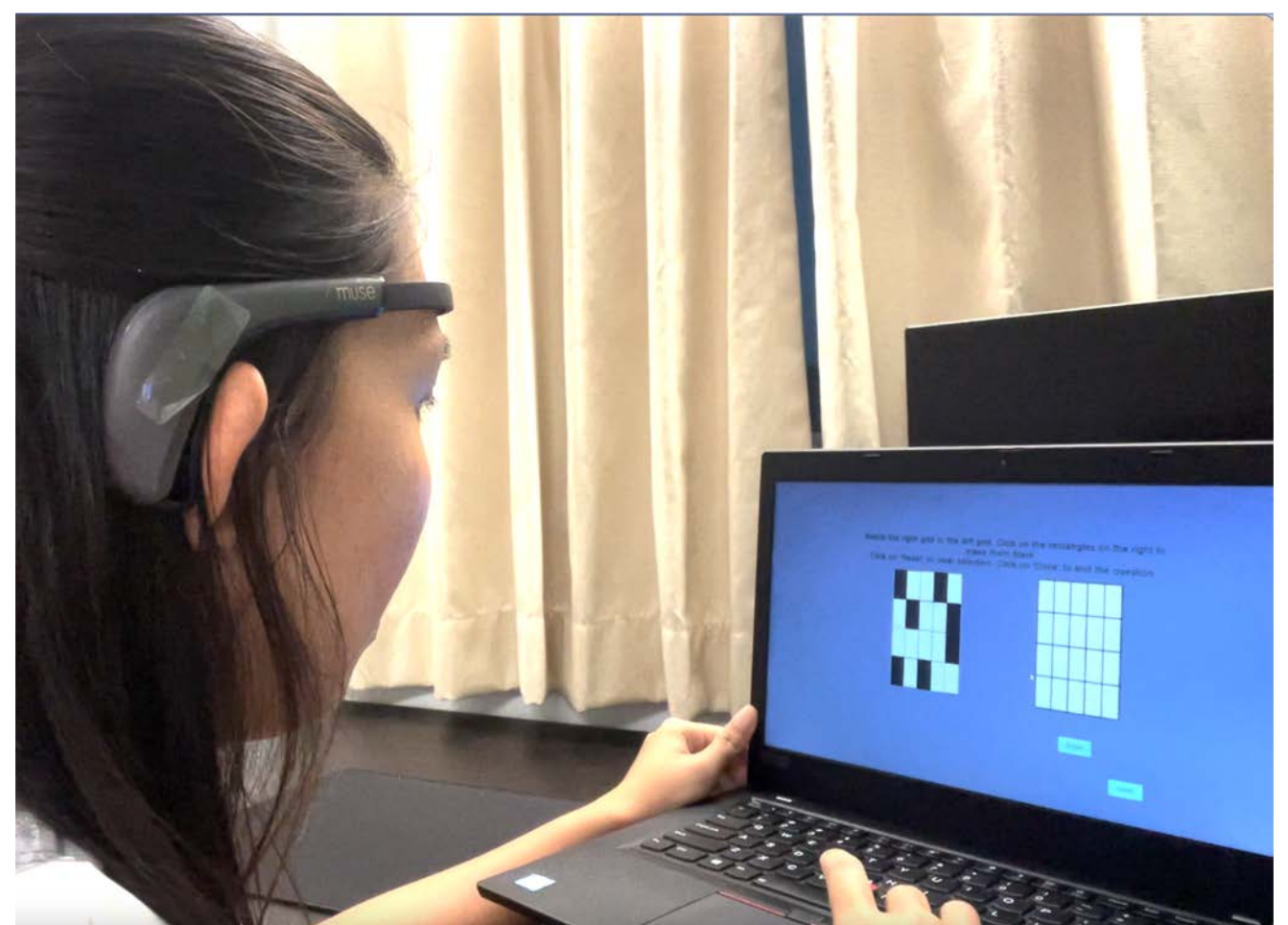
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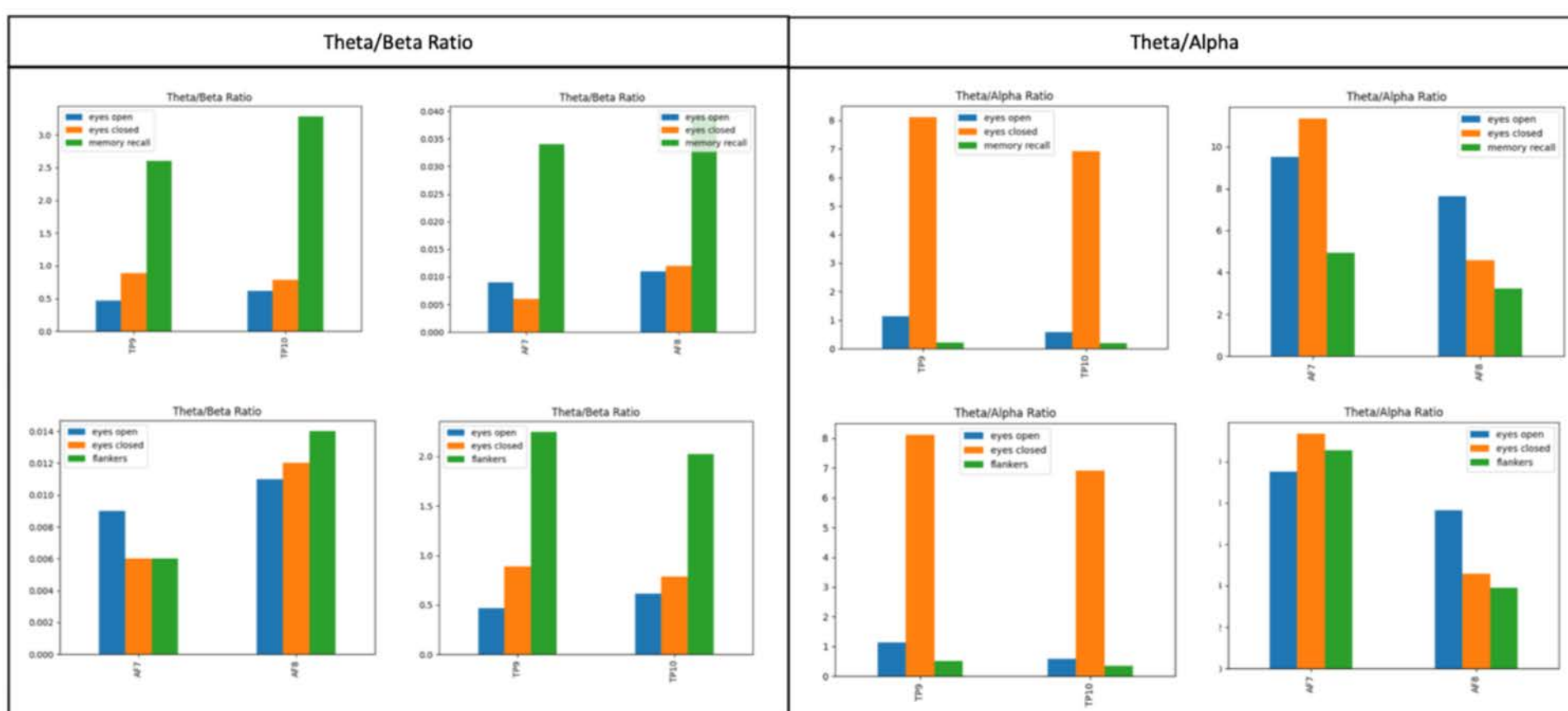
## Project Objectives:

This project aims to study the relationship between EEG signals and cognitive function.

As participants take a cognitive assessment test, that includes assessment of different aspects of cognitive function such as memory and attention, their EEG signals are collected and analysed.



The cognitive assessment consisted of 12 subtasks that are a mix of tests for different cognitive abilities.



The ratio of EEG bandpower can provide insight into cognitive function because it reflects the relative contribution of different brain regions or neural processes to cognitive processes.