FACULTY MENTOR
Balasubramani, Pragathi

PROJECT TITLE
Understanding the relationship between simultaneously recorded electro gastrogram signals and electro encephalogram signals during cognitive activities.

PROJECT DESCRIPTION
This project uses signal processing tools (Matlab) to quantify the relationship between how body vs. brain signals interact and influence each other during various cognitive processes such as attention, reward, working memory, etc.
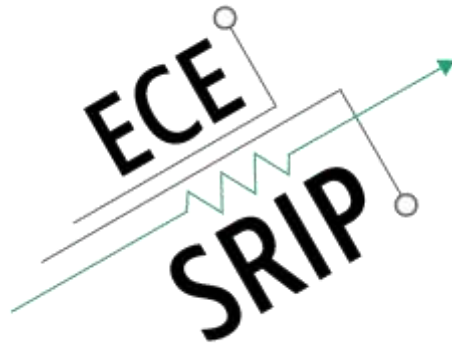
This project can accommodate both remote and in-person students

INTERNS NEEDED
2

PREREQUISITES
Matlab and signal processing

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PROJECT TITLE
Understanding how the neural activities vary between cognitive tasks for a person

PROJECT DESCRIPTION
The project will analyse electro encephalogram data collected during various cognitive tasks within the same person, and will use advanced signal processing and analysis techniques.

This project can accommodate both remote and in-person students

INTERNS NEEDED
2

PREREQUISITES
Matlab and signal processing