

FACULTY MENTOR

Pragathi Priyadharsini Balasubramani

PROJECT TITLE

Developing real time closed loop cognitive brain computer interfaces

PROJECT DESCRIPTION

NeatLabs has developed a brain mapping tool for cognitive assessments. This project will explore the tool for development of closed-loop feedback based applications towards intervention for mood / cognitive dysfunctions. The project will use Matlab and Simulink toolbox.

INTERNS NEEDED

1 MS student

PREREQUISITES

Basic coding and engineering skills with interest in neuroscience applications

FACULTY MENTOR

Pragathi Priyadharsini Balasubramani

PROJECT TITLE

Understanding brain signatures of reward and sensory / cognitive expectation

PROJECT DESCRIPTION

NeatLabs has developed a brain mapping tool for cognitive assessments. This project will study about sensory processing and reward, by performing basic behavioral and neural processing of the data. The project will use Matlab programming.

INTERNS NEEDED

1 MS student

PREREQUISITES

Basic coding skills with interest in neuroscience applications