



FACULTY MENTOR

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PROJECT TITLE

Spectrum Sensing using Machine Learning for Cognitive Radio

PROJECT DESCRIPTION

Description: This project involves machine learning algorithms in the context of noisy channels, trying to determine the presence or absence of signals. There will be both simulation of communication channels, collection of real data using hackRF devices, and development of machine learning approaches for spectrum sensing.

INTERNS NEEDED

1 BS and 1 MS

PREREQUISITES

Required Qualifications:

1. Knowledge of machine learning and communications preferred