

Option 1:

Parallel Computing for Simulation and Design of High-Speed Systems

The computing platform in recent years has gone through a major transformation, with the single processor based systems being replaced by multi-core platforms. Highly parallel computers offer enormous computational power needed for solving some of the most challenging computational problems.

Several projects related to parallel simulation of high-speed circuits and systems are targeted to provide students with the opportunity to learn about simulation concepts in general, and parallel algorithms/tools in particular. Specific software implementation is flexible and open for your innovation including the use system partitioning, machine learning, neural networks

Enrollment in ELEC 4506 is required.

Option 2

Use your innovative skills and propose your own project.

As a starting point, see

<https://www.elprocus.com/eee-project-ideas-for-final-year-engineering-students/>

<http://nevonprojects.com/project-ideas/electrical-project-ideas/>

Or similar websites.

Maximum number of students to be accepted: 5