

Centre for Integrated Circuits & Systems

Internship Modules for Engineering students



Stream 1 : Analog Design

This module familiarizes typical analog design flow. The fundamental concepts will be covered including Differential Amplifiers, Operational Amplifiers, Voltage References, and Filters. A simulation based design project will be executed by the student starting from specifications.

Stream 2 : Digital Design

This module familiarizes typical digital design flow. The fundamental concepts will be covered including simulation and FPGA implementation of digital logics including some architectures for digital processors. A simulation based design project will be executed by the student starting from specifications.

Stream 3 : Mixed Signal Design

This module familiarizes analog to digital converters and digital to analog converters with concepts including sampling, comparator design, opamp design, and various ADC/ DAC architectures. A simulation based design project will be executed by the student starting from specifications.

Stream 4 : RF Design

This module familiarizes RF concepts including nonlinearity, noise, wireless transceiver architectures, Low Noise Amplifiers Mixers, Oscillators. A simulation based design project will be executed by the student starting from specifications

For Further Information Contact:

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