

EEE.7-3.7 Integrated Circuits Design (VLSI)

Course contents: * Introduction to VLSI design and the various integrated circuit architectures. * Methodologies and tools uses in IC design. * Layout design and CMOS IC fabrication processes. * Analysis of basic and more complex CMOS circuits. * Static and Dynamic RAM design. * Sequential logic, flip-flop and register design with VLSI techniques.