4 Courses

Fundamentals of Digital Design for VLSI Chip Design

VLSI Chip Design and Simulation with Electric VLSI EDA Tool

Design of Digital Circuits with VHDL Programming

FPGA Architecture Based System for Industrial Application

L&T EduTech

Feb 11, 2025

Subject Matter Experts
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Naveen Velgapally

has successfully completed the online, non-credit Specialization

Chip based VLSI design for Industrial Applications

Embark on a transformative journey into Very Large-Scale Integration (VLSI) Design, exploring semiconductor technology and chip design intricacies. Dive into digital design fundamentals, sequential circuits, memory, and programmable logic. Learn VLSI chip design and simulation with Electric VLSI EDA Tool, focusing on CMOS technology and IC design principles. Master VHDL programming using Xilinx ISE for digital circuit design, and delve into FPGA architecture for industrial applications with Vivado. Gain hands-on experience in designing digital logic circuits, sensor interfacing, and communication protocols (RS232, SPI, I2C), and implementing IoT solutions.

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