# National Institute of Electronics & Information Technology, Haridwar

(Ministry of Electronics & Information Technology, Government of India)

# VLSI Design using Verilog

## Course Objective

This course is intended to impart training in designing and verifying reusable Intellectual Property (IP) Cores for VLSI. Emphasis of the teaching curriculum is on design & Verification methodologies and on its practical applications. The course contents have been designed keeping in view the emerging trends in needs for skilled manpower.

## Eligibility

B.E/B.Tech/MCA/M.Sc.(Comp.Sc.) (pursuing also) with basic knowledge of statistics, database and any programming language.

## Course Outline

- Overview of VLSI, Verilog and Digital Design.
- Hierarchical Modelling
- Modules and Ports definition
- Gate Level Modelling
- Data Flow modelling
- Behavioural Modelling
- Structural Modelling

## e-Certificate

e-Certificate will be issued to each participant after the completion of the training. Participant needs to maintain minimum 75% attendance during the online classes and is required to score minimum 50% marks in the online test in order to successfully complete the course.

## Course Duration

04 weeks/06 weeks* - Online Mode

Note:-*6 weeks Programme includes two weeks project. No additional fee will be charged for Project

## Prerequisites for Online Class

Candidate must have ModelSim software installed and latest computer/laptop with preferably 4 GB RAM or higher.

## How to Apply ?

Candidate may apply online at following link: **http://nielit.gov.in/haridwar/content/online-courses.** Fee is to be submitted to the following account and details to be submitted in online registration form.

| Name | NIELIT Haridwar |
|---|---|
| Account No. | 12922122001331 |
| IFSC No. | ORBC0101292 |
| Bank Name | Oriental Bank of Commerce |
| Branch | SIDCUL Haridwar |

**For Registeration**

CLICK HERE

For any further information/clarification, please contact on **936849990.**

**Contact Details:** NIELIT Haridwar, 2nd Floor, Government Polytechnic Building, Plot No-6C, Sector-11, Near Pentagon Mall, SIDCUL, Haridwar, Uttarakhand – 249403, **Phone**:- 01334-235617, 235054, 9368349990 **E-Mail:** haridwar@nielit.gov.in