

Online On-demand – Advanced VHDL

Sandeepani is the training division of CoreEL Technologies (I) Pvt Ltd and Authorized Training Provider for AMD-Xilinx in India

Course Description:

This self-paced online course gives participants a deeper insight into the features of the VHDL language. The program comes with insightful theory lectures, lab code and lab demos. The emphasis is on using VHDL to build larger designs and testbenches.

Who can attend?

- Post graduate and under graduate students interested in learning advanced concepts of VHDL
- Faculty members and working professionals interested in up-skilling

Pre-requisites:

- Basic Knowledge of VHDL

Access:

- Login and password will be shared within 1 business day after payment and registration
- Content will be made available for 1 month from start of access

Software Tools:

- Any HDL simulator, such as ModelSim, QuestaSim and Vivado. Demos are on Vivado

What do I gain?

- Learn how to model and memory in VHDL and verify it
- Understand how subprograms, packages and libraries function
- Learn to write a complex VHDL testbench
- Use how file I/O operations can be incorporated in VHDL
- Understand synthesizable constructs in VHDL
- Learn how non integer numbers are handled in VHDL

Course Contents:

- Chapter 1 – Memory Modeling and Verification
 - Video lecture
 - Lab code and demo
- Chapter 2 – Subprograms
 - Video lecture
 - Lab code and demo
- Chapter 3 – Packages and Libraries
 - Video lecture
 - Lab code and demo
- Chapter 4 – Writing a Good Testbench
 - Video lecture
 - Lab code and demo
- Chapter 5 – Advanced Techniques in VHDL
 - Video lecture
- Chapter 6 – File I/O and Synthesis
 - Video lecture
 - Lab code and demo

- Chapter 7 – Supporting Multiple Platforms
 - Video lecture
 - Lab code and demo
- Chapter 8 – non Integer Numbers
 - Video lecture

Course Fee: INR 4,999/- (Inclusive of tax. Course fee is non-refundable)

Registration link: [Click here to register](#)

Payment Guidelines:

Participants of Sandeepani training modules can make the course fee payment through online transfer via Google Pay/PhonePe/UPI using the below details and proof of the same to be scanned & mailed to training@coreel.com. For assistance, contact us: +91-9844182555, +91-9686690000.

UPI ID: coreeltechnologiespvtltd@kbl
Current Account No: 0947000104207601
IFSC Code of Bank: KARB0000094

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