Model Sim
Lab # 10

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CSE304L Computer Organization & Architecture Lab

Submitted by: **Shah Raza**

Registration No: **18PWCSE1658**

Class Section: **B**

"On my honor, as a student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work."

Student Signature: _____

Submitted to:

Engr. Amaad Khalil

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Department of Computer Systems Engineering

University of Engineering and Technology, Peshawar

Lab Tasks:

Task:

Write all the steps for the installation, creation, and simulation of a project on Modelsim.

Steps:

Installation:

1. Extract the files of the zip folder.
2. Then in the folder click on MTI57FSE.EXE to proceed with the installation. 3. Then the process begins, a popup appears, click on Full Product. 4. Then click next on the screens, and select defaults.
5. When the installation finishes, look for install.txt and follow the steps mentioned in it to activate the software.

Creation:

1. Click on File Menu, Click on New, from there select Project.
2. Select New File to create one File for the module and one for Simulation purposes, select Verilog extension.
3. Then Edit the code and compile all the files.

Simulation:

1. After compilation of files, click on the Simulation tab, to simulate, then a new menu will appear.
2. Select the library, and select the Simulation Module (File) to simulate.
3. Then right-click, and click on Add to Wave to stat simulation.
4. Click on Run, to simulate. A pulse train will be generated.
5. Look on the console, the truth table will appear.
6. Then again select, add to the data flow to view the schematic diagram.