EE 421 / CS 425 Digital System Design Lab 01

Fall 2024

**Electrical Engineering Department**

**LUMS**

**Instructor:** Dr. Shahid Masud

**TA:** Ibraheem

**Objectives**

1. Nuances of Complex Hardware Design and Implementation (see presentation)
2. Role of Hardware Description Languages and EDA Tool Flow (see presentation)
3. Setting up the simulation and synthesis tools for the upcoming labs (this manual)

Table of Contents

[**1** **Questa Installation Guide** **Error! Bookmark not defined.**](#_Toc125043115)

[**2** **Vivado 2018.x Design Suite Installation Guide** **Error! Bookmark not defined.**](#_Toc125043116)

**REFER TO APPENDIX A FOR INSTALLATION GUIDE OF SOFTWARE**

**The deadline to complete these tasks in Monday, 9 September, 2024, 5:00 pm PKT.**