Title:

EE6621 Lab Template





=Module:	EE6621 ASICs 1 (Digital ASICs)
Date:	29/12/2019
Lab Number:	2
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1 References

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- [2] 7 Series FPGAs Datasheet: Overview, DS180 (v2.6), Xilinx Inc., 2018
- [3] Artix-7 FPGAs Datasheet: DC and AC Switching Characteristics, DS181 (v1.25), Xilinx Inc., 2018
- [4] 7 Series FPGAs Clocking Resources User Guide, UG471 (v1.14), Xilinx Inc., 2018
- [5] 7 Series FPGAs Configuration User Guide, UG470 (v1.13.1), Xilinx Inc., 2018
- [6] Vivado Design Suite User Guide Release Notes, Installation and Licensing, UG973 (v2020.1), Xilinx Inc., 2020
- [7] Vivado Design Suite Overview [Online]. Available: https://www.xilinx.com/products/design-tools/vivado/vivado-ml.html
- [8] Geany The Flyweight IDE [Online]. Available: https://www.geany.org/

2 Lab Challenges

The purpose of this lab is to install Xilinx Vivado Design Suite, test vivado: Setting Up a New FPGA Project, FPGA programming, Flashing the FPGA module and installation of multi-tab editor (geany).

Throughout this lab I had no problems installing media on my windows operating software, however I struggled with issues completing the installation on Linux.

The Vivado software worked on windows to flash onto the FPGA module and I have so far seen no issues with windows.

Declaration of Authorship

I confirm that this lab report, submitted for assessment, is my own original work.