San Jose State University
Department of Electrical Engineering

Laboratory Assignment #4 (Due May 5, 1:00PM)

Rules on Cheating

Each student is expected to do his or her individual work for this course. Students who turn in identical lab solutions will be considered to have copied. **Two hundred percent** of the maximum possible grade will be deducted for each instance of cheating on lab assignments. All students must work alone. Sharing of code and data between students is considered cheating and will receive appropriate action in accordance with University policy.

Part 1. Read Xilinux/OpenCV porting on Zybo document and finish the steps.

Part 2. In this lab you will use the OpenCV installed in Part 1. You will implement and accelerate a Sobel filter using Openmp pragmas. An OpenCV template will be provided in Canvas which captures images from a webcam attached to the Zybo board.

You can compile the code on Zybo using the following command g++ `pkg-config opencv --cflags` my_code.cpp -o my_code `pkg-config opencv --libs`

This will only work if you have successfully completed lab part 1 and have a working installation of OpenCV on the Zybo board

(What to submit in Canvas) Your report should include **fully commented modified template code.**