

# EELE 475 HARDWARE AND SOFTWARE ENGINEERING FOR EMBEDDED SYSTEMS

## Lab #2 Virtual-C IDE

**Assignment Date: 9/08/2015**

**Due Date: 9/15/2015**

### **Lab Description**

Today's lab will introduce you to Virtual-C IDE, which is a free IDE for developing and debugging C programs.

### **Installing Virtual-C IDE**

If Virtual-C is not on your computer, you can download it from:

<https://sites.google.com/site/virtualcide/>

### **Lab #2 Tasks**

For Lab #2 you will need to accomplish the following tasks:

1. Run the Tutorial found under Help-> Tutorial
2. Read the Manual found under Help-> Manual.
3. Do the Simple Hello Exercise found under the Exercises section in Help->Examples.
4. Run the example code *factorial.c* As described in the manual, view the memory window and watch the stack grow as you step through the program (F11). Take a screen shot when the stack has the most factorial() function calls.

## **Your Deliverables**

- No lab report this week
- Hand in the Instructor Verification Sheet
- Upload to D2L:
  - Your c code you created.
  - A screen shot of the stack that you capture in task #4.

**Instructor Verification Sheet**  
Turn in this page in to get credit for your Lab

**Lab #2**  
**Virtual-C IDE**

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Name : \_\_\_\_\_

**Sign-off #1** : Demonstrate the Simple Hello Exercise.

Verified: \_\_\_\_\_ Date: \_\_\_\_\_