EMBSYS 110 Assignment 1

Development Tools Setup

1 Goal

The goal of this assignment to complete the setup of the Eclipse-based development tools on your computer. This development environment is a prerequisite for future assignments.

2 Steps

1. Follow the instructions in *Section 3.1 Quick Setup Procedure* of *Module 1 Notes.pdf* to setup the virtual machine with built-in development tools.

   Note – There is NO NEED to follow Section 3.2.

2. Download the compressed project file (platform-stm32f401-nucleo_assignment1.tgz) from the assignment course site.
   (https://canvas.uw.edu/courses/1359974/files/folder/Assignments/Assignment%201%20Setup)

3. Attach *only* the LCD display module to the Nucleo board. Be very careful when aligning the pins to the sockets and do not bend the pins.

4. Follow the instructions in *Section 4 Test Run* to build and run the project downloaded above.

3 Submission

The due date is 4/13 Monday 11:59pm. Please include:

1. A log file capturing the output of the UART console when you type the command "*state*". You can turn on capturing in minicom by:

   sudo minicom -C log.txt

2. A text file describing what is shown on the LCD display when the program is running.

Upload to the usual Canvas assignment upload location.