UTAustinX: UT.6.01x Embedded Systems - Shape the World

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Help

The basic approach to all labs will be to first develop and debug your system using the simulator. You will get a lab grade for this simulation phase of development. After the software is debugged, you will interface actual components to the LaunchPad and run your software on the real microcontroller. You will get a second lab grade for this real-board phase of development. In this lab you will not need to write any software (just run the software we have provided) or build any hardware (just use the LaunchPad with the switches and LED already connected).

Part a) The first step is to install the Keil uVision integrated development environment (IDE) for the ARM. This IDE includes the editor, compiler, simulator, and debugger. The **MDK-Lite (32KB) Edition** does not require a serial number or license key.

Part b) The second step is install Test EXecute and Simulate (**TExaS**). TExaS is a set of enhancements to Keil that will serve as your helper and grader during this course. This installation will also setup the example projects and starter files for labs.

Part c) The third step will be to install the hardware device drivers for your LaunchPad. You will need the LaunchPad hardware to perform this step. If you do not have it yet or do not plan to buy the hardware kit, you can skip this step and perform the labs in simulation.

The instructions for all three steps can be found at

Primary http://edx-org-utaustinx.s3.amazonaws.com/UT601x/download.html (http://edx-org-utaustinx.s3.amazonaws.com/UT601x/download.html)

Alternate http://users.ece.utexas.edu/~valvano/edX/download.html (http://users.ece.utexas.edu/~valvano /edX/download.html)

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(http://www.meetup.com/edX-Global-Community/)

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Help