

ECE 411
Fall 2015
Homework 5
System Design and Modeling
(Team Assignment)

Draw a level-0 block diagram of your term practicum project. Draw a level-1 block diagram of your term project. Draw level-0 block diagrams of each sub-component in your level-1 block diagram. Be sure to describe all inputs, outputs, and functionality.

The level of detail of the description (particularly the inputs and outputs) should enable someone to do the detailed design of a module that interfaces to the module being described. Imagine you're that person. Do you have enough information about the inputs to generate them? Is the input an analog signal? Digital? How many bits? What is the representation/encoding?

Describe your system or one of its major subsystems using two different views from among the six UML views described in class and in the textbook. The objective is to use UML to describe that functionality of the system or subsystem. If your practicum project isn't well suited to this, you can instead use the parking meter or vaccine temperature monitoring example projects. Be sure to clearly indicate what project you're using.

Include this on your project wiki.