EECS 2032

Lab 8
Fall 2019

In this lab, you will be introduced to the ADC/DAC in the FRDM-KL43Z board

Pre Lab

Carefully read the ADC/DAC slides and chapter

Problem

FRDM-KL43Z has an on-board light sensor. In this lab, you will get the output of the light sensor to the input of the ADC. Convert it to digital value, and display that value on the monitor.
During the demo, you will show the TA that by changing the light (using a flash light or partially covering the sensor using you hand) the displayed value will change accordingly.

You have to check the schematics to see what pin the light sensor is connected to, what ADC channel you are using (that is a part of the lab report).

Follow the 9 steps in the slides to use ADC0