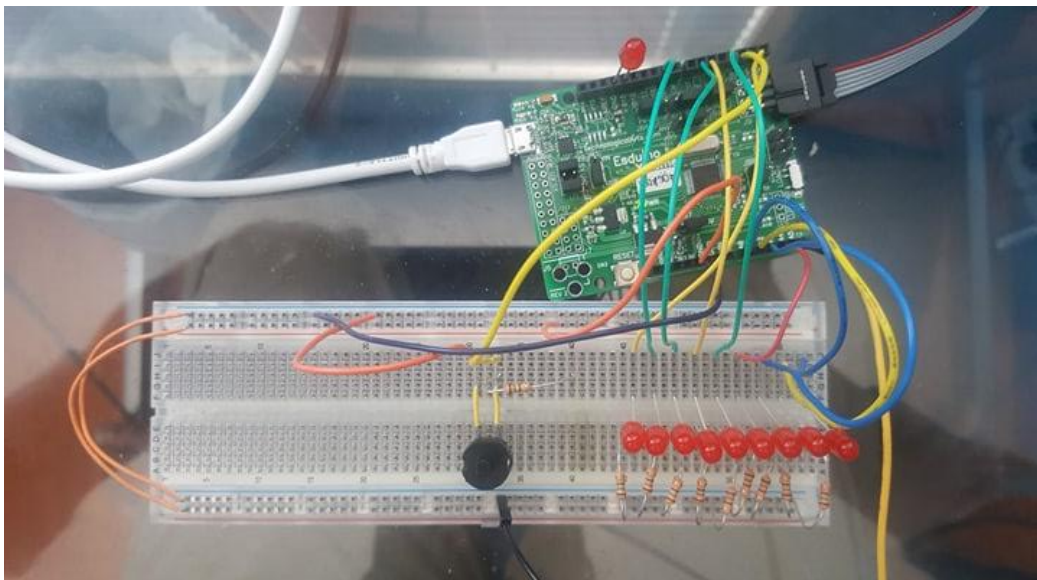


Brief User Manual

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Follow these instructions to set up the ESDX for data acquisition:

1. Connect the Esduino Extreme to the computer by plugging in the USBDMILT and USB to the corresponding ports on the computer and microcontroller.
2. Set up circuit and ESDX.
 - a. LEDs 1, 2, 3, 4 to Port AD[0:3]
 - b. LEDs 5, 6, 7, 8 to Port P[0:3]
 - c. LEDs 9 to Port M[0]
 - d. Momentary Push Button to Port T
 - e. Function Generator to AN5



3. Open '2DP4FinalProject.mcp' on CodeWarrior and RUN.
4. Apply function generator / analog discovery module signal to PORT AN5 and run at 1Hz/2Hz with 1V Amplitude
5. Open 'ProjectMatlab2dp4.m' on MATLAB and RUN