Project 3 Measure and Transmit Fan Speed and Thrust

Follow the instructions in Arduino-Based Optical Tachometer by CMPalmer to measure the speed of a brushless propeller which is driven by an Arduino and measured using an IR Emitter/Detector pair measured by the Arduino using either Round Robbin with Interrupts or Function Queue Scheduling.

Capture the RPMs over time, download to a Host and create a graph of the RPMs.

If you don’t have a propeller to be able to measure RPMs, use something else like a kids Fidget or even a pencil.

Submit per directions in “Project Submission.docx”