# Rochester Institute of Technology SWEN 563/CMPE 663/EEEE 663

# Project 1 – Timing - Demo

Name 1:

Name 2:

Instructor name:

# POST routine

* Is there one?
* Demonstrate failure
* Demonstrate success
* Description:

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# Data Display

Do the following with the default value for lower limit of 950 microseconds and a 1 KHz square wave.

* Is the spread reasonable (3 or 4 adjacent buckets with rest 0)?
* What is the min value and max value?
* Change the pulse generator by 10 Hz and run. Do we see the expected change?
* Does it only display non-zero buckets?
* Is the sum of the bucket counts equal to 1000?
* Perform a second measurement without restarting. Does the program have this feature?
* Was the second measurement reasonable?

Now change the lower limit to 1950 microseconds. Change the pulse generator to 500 Hz and do another measurement.

* Did the program allow changing the lower limit without restarting?
* Is the spread reasonable (3 or 4 adjacent buckets with rest 0)?
* What is the min value and max value?
* Is the sum of the bucket counts equal to 1000?

# Comments: