01266212 Cyber Physical System Design Lab 2: Answer Sheet

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Task 1:

Q1. Record the minimum number and the maximum number that display on the monitor by blocking or unblocking the sensor.

Max: 12200 MS

Q2. Block the sensor totally with the paper and check the number. Why is it so large?

I got 46675 us since the sensor cont read anything

Q3. Compute the speed of sound wave using the average value of the 10-duration data.

Task 2: Buerage speed collected = 422 a/s

(shown in class)

Q4. Find the minimum and maximum distance the system can detect and compare with the max and min range from the specification table. Max: 1200 cm The minimum value is quite close but the max

Q6. Submit your Python Code.

Assignment:

Submit your code.