Microprocessors lab ECSE444

Lab 7 Demo sheet

Group No:

Student Name: Student ID: Grade: /8
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Demonstrate correct functionality of the code as follows: (**4 marks**)

- Are all sensors reading successful? (@ desired Freq.)   (1.5 mark)

- Button operation working well?   (0.5 mark)

- What efforts are done to lower the power?   (up to 1 mark)

- How access to shared resources are secured?   (1.0 mark)

Coding requirements and understandings, configuration, program flow and correctness.   (**4 marks**)

- Sensor types, their communication protocol and driver usage. (1   mark)

- How sensor's data, memory and thread communications should be managed? Threads creation and usage?   (2 mark)

- How power reduction is done? Any correct reason behind selections?   (1   mark)