MIE438 – Microprocessors and Embedded Microcontrollers

Laboratory Experiment 5

Deliverable

Spring 2018

Department of Mechanical and Industrial Engineering

University of Toronto

Notes:

Practical Section:

Last Name, First Name	Student Number

1. Describe the behavior of the code. In particular, are the numbers equal when displayed?

2. What code issue is causing the behavior you noticed in Question 1?

3. Modified code listing:

4. Modified ISR Code:

5. Speculate on why connecting the wire does not always generate the expected result. (**Hint**: You may want to read about **switch bounce**, a related issue).

6. If you vary how long you leave the wire connected, what happens? Why is this so?

7. Why does the display not update when the wire is connected?