2DP4: Microprocessor Systems Final Project

Instructor: Dr. Doyle

Brian Le - L03 - Leb7 - 400124577

As a future member of the engineering profession, the student is responsible for performing the required work in an honest manner, without plagiarism and cheating. Submitting this work with my name and student number is a statement and understanding that this work is my own and adheres to the Academic Integrity Policy of McMaster University and the Code of Conduct of the Professional Engineers of Ontario. Submitted by [Brian Le, Leb7, 400124577]

Table of Contents

Abstract	3
Introduction and Background	3
System Overview	3
Transducer	4
Esduino Xtreme	5
Esduino: Program	5
Computer	7
Experiment and Results	7
Input	7
Clock Speed and Delay Loop	8
ADC System	8
Serial Communication	8
Entire System	8
Discussion	9
Conclusion	10
Appendix	12