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CPE301 – SPRING 2018

Midterm 2

**DO NOT REMOVE THIS PAGE DURING SUBMISSION:**

The student understands that all required components should be submitted in complete for grading of this assignment.

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| --- | --- | --- | --- |
| **NO** | **SUBMISSION ITEM** | **COMPLETED (Y/N)** | **MARKS**  **(/MAX)** |
| 1 | COMPONENTS LIST AND CONNECTION BLOCK DIAGRAM w/ PINS |  |  |
| 2. | INITIAL CODE OF TASK 1/A |  |  |
| 3. | INCREMENTAL / DIFFERENTIAL CODE OF TASK 2/B |  |  |
| 3. | INCREMENTAL / DIFFERENTIAL CODE OF TASK 3/C |  |  |
| 3. | INCREMENTAL / DIFFERENTIAL CODE OF TASK 4/D |  |  |
| 3. | INCREMENTAL / DIFFERENTIAL CODE OF TASK 5/E |  |  |
| 4. | SCHEMATICS |  |  |
| 5. | SCREENSHOTS OF EACH TASK OUTPUT |  |  |
| 5. | SCREENSHOT OF EACH DEMO |  |  |
| 6. | VIDEO LINKS OF EACH DEMO |  |  |
| 7. | GOOGLECODE LINK OF THE DA |  |  |
|  |  |  |  |
|  |  |  |  |

1. **COMPONENTS LIST AND CONNECTION BLOCK DIAGRAM w/ PINS**

2 ATMEGA328ps, 2 nRF24L01/+ transceiver, 2 FTDI chips, 4 capacitors, stripped wires, LM35, and male and female wires.

1. **INITIAL/DEVELOPED CODE OF TASK 1/A**

## A screenshot of a cell phone Description generated with very high confidenceReceive Code

A screenshot of a cell phone

Description generated with very high confidence

## Transmit Code

A screenshot of text

Description generated with very high confidence

**A close up of text on a black background

Description generated with very high confidence**

A screenshot of a cell phone

Description generated with very high confidence

1. **SCHEMATICS**

## Receive Schematic

A picture containing text

Description generated with high confidence

## Transmit Schematic

A picture containing sky, wall, text

Description generated with very high confidence

1. **SCREENSHOT OF EACH DEMO (BOARD SETUP)**

## Receive & Transmit Board

A close up of a device

Description generated with high confidenceBoth receive and transmit were completed on one board.

1. **Flow Chart**

**A screenshot of a cell phone screen with text

Description generated with very high confidenceTransmit Temperature Receive Temperature**

**A close up of a sign

Description generated with very high confidence**

1. **VIDEO LINKS OF EACH DEMO**
2. **GITHUB LINK OF THIS DA**

https://github.com/TennielTakenaka/Midterm2

**Student Academic Misconduct Policy**

<http://studentconduct.unlv.edu/misconduct/policy.html>

“This assignment submission is my own, original work”.

Tenniel Takenaka-Fuller