RALPH MAGO

CPE301 – SPRING 2016

Design Assignment 5

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| **NO** | **SUBMISSION ITEM** | **COMPLETED (Y/N)** | **MARKS**  **(/MAX)** |
| 0. | FLOWCHART OF THE CODE | Y |  |
| 1. | COMPONENTS LIST | Y |  |
| 2. | INITIAL CODE OF TASK 1/A | Y |  |
| 3. | INCREMENTAL CODE OF TASK 2/B | Y |  |
| 4. | INCREMENTAL CODE OF TASK 3/C | Y |  |
| 5. | SCHEMATICS | Y |  |
| 6. | SCREENSHOTS OF EACH TASK OUTPUT | Y |  |
| 7. | SCREENSHOT OF EACH DEMO | Y |  |
| 8. | VIDEO LINKS OF EACH DEMO | Y |  |
| 9. | GITHUB LINK OF THE DA | Y |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 0. | FLOWCHART OF THE CODE |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | COMPONENTS LIST |  |  |

|  |  |
| --- | --- |
| Atmel Xplained Mini (328P) | 1 |
| Pololu #1074 Multicolor RGB LED | 1 |
| Resistor – 1KΩ | 1 |
| Resistor – 250Ω | 1 |
| Resistor - 500Ω | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| 2. | INITIAL CODE OF TASK 1/A |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 3. | INCREMENTAL CODE OF TASK 2/B |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 4. | INCREMENTAL CODE OF TASK 3/C |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 5. | SCHEMATIC |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 6. | SCREENSHOTS OF EACH TASK OUTPUT |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 7. | SCREENSHOT OF EACH DEMO |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 8. | VIDEO LINK OF DEMO |  |  |
|  | https://www.youtube.com/watch?v=AceEPT3jkeA |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 9. | GITHUB LINK OF THE DA |  |  |
|  | https://github.com/magor1/embedded-design-VM/tree/master/DA5 |  |  |

**Student Academic Misconduct Policy**

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

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

RALPH MAGO