**Microcontroller and Applications**

**I N D E X**

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| **Sr. No.** | **Name of the Experiment** | **Page** | **Date of Checking** | **Signature of Batch I/C** |
| 1 | Simple assembly language programming. | 1 | 22/08/2023 |  |
| 2 | Complex assembly language programming | 2 | 22/8/2023 |  |
| 3 | Interfacing of LED, Buzzer, Relay and Switch with C8051F340 | 3 | 03/10/2023 |  |
| 4 | Interfacing of LCD with C8051F340 | 4 | 03/10/2023 |  |
| 5 | Interfacing of 8-bit DAC with C8051F340 | 5 | 28/11/2023 |  |
| 6 | Programming of on chip ADC | 6 | 21/11/2023 |  |
| 7 | Interfacing DC motor and control its speed using PWM with C8051F340 | 7 | 28/11/2023 |  |
| 8 | Implement UART with C8051F340 | 8 | 05/12/2023 |  |
| 9 | Interfacing Stepper Motor with C8051F340 | 9 | 31/10/2023 |  |
| 10 | Interfacing EEPROM using SPI with C8051F340 | 10 | 05/12/2023 |  |
| 11 | Project Based Learning - Design and implement a microcontroller-based project | 11 | 14/12/2023 |  |

**CERTIFICATE**

Certified that Mr./Ms. SHREERANG MHATRE of Class **T. Y. B. Tech. (E&CE)** Division TY Roll No. 52 has completed the laboratory work in the subject **Microcontroller and Applications** during the **Semester V** in the School of Electrical and Computer Engineering during the Academic Year 2023-2024.

**Signature of the Faculty Head of the School**