**Note: Please cross verify with others in the group before following this index**

| Sr No. | Topic | Date |
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| 2b | To demonstrate use of general purpose port i.e. Input/ output port of two controllers for data transfer between them. | 11/01/23 |
| 3a | Port I / O: Use one of the four ports of 8051 for O/P interfaced to eight LED’s. Simulate binary counter (8 bit) on LED’s | 18/01/23 |
| 3b | To interface 8 LEDs at Input-output port and create different patterns. | 25/01/23 |
| 2a | Configure timer control registers of 8051 and develop a program to generate given time delay. | 01/02/23 |
| 3c | To demonstrate timer working in timer mode and blink LED without using any loop delay routine. | 01/02/23 |
| 4c | Interface 8051 with D/A converter and generate square wave of given frequency on oscilloscope. | 08/02/23 |
| 5a | Interface 8051 with D/A converter and generate triangular wave of given frequency on oscilloscope. | 08/02/23 |
| 5b | Using D/A converter generate sine wave on oscilloscope with the help of lookup table stored in data area of 8051. | 08/02/23 |
| 4a | Serial I / O: Configure 8051 serial port for asynchronous serial communication with serial port of PC exchange text messages to PC and display on PC screen. Signify end of message by carriage return. | 22/02/23 |
| 4b | To demonstrate interfacing of seven-segment LED display and generate counting from 0 to 99 with fixed time delay. | 22/02/23 |