LAB-II   MICROPROCESSORS & MICROCONTROLLERS LABORATORY

DEPARTMENT - EEE

EE8681 (EVEN Semester)   **Regulations:** R17

List of Experiments recommended as per Anna University

1.Simple arithmetic operations: addition / subtraction / multiplication / division.
2. Programming with control instructions:
     (i)   Ascending / Descending order, Maximum / Minimum of numbers
     (ii)   Programs using Rotate instructions.
     (iii)   Hex / ASCII / BCD code conversions.
3. Interface Experiments: with 8085
     (i)   A/D Interfacing & D/A Interfacing.
4. Traffic Light Controller.
5. I/O Port / Serial communication.
6. Programming Practices with Simulators/Emulators/Open source.
7. Read a key, Interface display.
8. Demonstration of basic instructions with 8051 Microcontroller execution, including:
     (i)   Conditional jumps & looping
     (ii)   Calling Subroutines.
9. Programming I/O Port and timer of 8051
     (i)   Study on interface with A/D & D/A
     (ii)   Study on interface with DC &AC motors
10. Application hardware development using embedded processors.