

## **ACHARYA NAGARJUNA UNIVERSITY - UG SYLLABUS**

**Group:** B.Sc

**Subject:** Microprocessor Lab

**Year:** III

**Sem:** V

### **List of Experiments**

1. PROGRAM TO ADD TWO DECIMAL NUMBERS.
2. SUBTRACTION OF TWO DECIMAL NUMBERS.
3. ADD TWO WORDS IN MEMORY LOCATION AND STORE THE RESULT INSUBSEQUENT MEMORY LOCATION.
4. TO INTERCHANGE TWO WORDS FROM 4100 AND 4102LOCATION
5. PROGRAM TO COMPUTE LOGICAL ONES IN A WORD AND STORE THE RESULT IN MEMORY.
6. PROGRAM TO CONVERT TWO BCD NUMBERS INTO HEX.
7. PROGRAM TO CONVERT TWO HEX NUMBER INTO BCD NUMBER.
8. PROGRAM TO FIND THE SQUARE ROOT OF A GIVEN NUMBER.
9. INTERFACING EXPERIMENTS USING 8086 MICROPROCESSOR(DEMO):
  1. TRAFFIC LIGHT CONTROLLER
  2. ELEVATOR
  3. 7-SEGMENTDISPLAY