**Digital Electronics and Computer Applications Laboratory**

**Assignment Number: 04**

**PROBLEM STATEMENT:** Design and implement MOD 10, MOD 100 and MOD N counter using IC 7490.



**OBJECTIVES:**

1.To understand working of Modulo N counter using 7490(N>10).

**THEORY:**

1) Ripple counter IC-7490 (decade counter)

2) The Basic internal structure of IC 7490.

**DESIGN:**

1. Design MOD 10 counter (Truth Table).
2. Design Mod 100 counter.

**LOGIC DIAGRAM:**

1. Draw the circuit diagram for MOD 10 counter.
2. Draw the circuit diagram for MOD 7 counter.
3. Draw the circuit diagram for MOD 100 counter.

**CONCLUSION:** Conclude with the reference of the all the tasks being performed to fulfill the aim.

**FAQ’s:**

1. What do you mean modulus Counter?
2. Application of IC 7490.