

## Assignment : 2

1. Use Thompson's construction method for following RE:

$(a/b)^*abb(a/b)^* \#$

2. Construct minimized DFA for following RE:

$(0^*1^*)^*0 \#$

3. Create NFA- $\wedge$  using Thompson's construction method and convert it into DFA using subset construction method.

$((ab^*)/c^*)(a/b)^*c \#$

4. Construct NFA for following RE. Show the sequence of moves made by each in processing the input string ababbab.

$((\wedge/a)b^*)^* \#$