**LAB OBJECTIVE TAFL-( RCS453 )**

**Please do solve all the problems in your note book and perform in Scheduled Lab.**

**Make a NFA for the following codes:**

1. **The language of all strings that accepts anbn.**
2. **The language of all strings that starts with ‘a’ and ends with ‘bb’, consider ‘bbb’ as containing occurrence of bb.**
3. **The language of all strings containing ‘aa’ in between the strings of ‘a’ and ‘b’.**
4. **The language of all strings containing both ab and aab as substrings.**

**Make a DFA for the following codes:**

1. **The language of;**
2. **ab**
3. **aab**
4. **aaabb**
5. **aaaabbb**
6. **aaaaabbbb**
7. **aabbaabb**
8. **The language of all strings that begin or end with 00 or 11.**
9. **The language of all strings containing no more than one occurrence of the string 00. (The string 000 should be viewed as containing two occurrence of 00.)**
10. **The language of all strings containing both 00 and 010 as substrings.**