**Data Structure & Algorithms Lab (RCS456)**

**Please do all the coding section in the scheduled lab and get the lab manual signed by Concerned Teacher and Instructor.**

**Do the coding using C and write explanation section as per the question requirements:-**

1. Implementation of basic programs
2. Fibonacci Series
3. Factorial Number
4. Implementation of Matrix manipulations
5. Addition of Two Matrix
6. Multiplication of two Matrix
7. Horizontal Sum of the Matrix
8. Vertical Sum of the Matrix
9. Implementation of Tower of Hanoi Problem.
10. Implementation of Various Stack operations using array in C as under:
11. Push operations
12. Pop operations
13. Display stack
14. Implementation of Queue
15. Implementation of Circular Queue.
16. .......

**Note\* Test any 5 input which is accepted as per the query asked.**