**Department of Basic Science and Humanity**
## Academic Year:2025-26

**Name of Faculty:** Prof. Shaikh Mohd Ashfaque

**Subject:** C Programming
**Year** :F.E (SEM-1)

**Lab Outcomes:**
1.Illustrate the basic terminology used in computer programming.
2. Use different data types in a computer program.
3. Design programs involving decision structures, loops and functions.
4. Implement Arrays , String, and Structure
5. Describe the dynamics of memory by the use of pointers.
6. Use different data structures and create/update basic data files.

| Sr. No | Title of Experiment | Lab Outcome |
|--------|---------------------|-------------|
| 1 | Exp 1:<br>a.WAP to print basic details on screen and format it using escape sequence.<br>b.WAP to get students PCM marks from the user and find the average and eligibility. | LO1, LO2 |
| 2 | Exp 2:<br>a.WAP to find if entered number is even or odd.<br>b.WAP to find the sum of all the odd numbers between numbers entered by the user. | LO3 |
| 3 | Exp 3: WAP to design a menu driven calculator using switch and goto. | LO3 |
| 4 | Exp 4: WAP to find all the prime numbers between two numbers. | LO3 |
| 5 | Exp 5: WAP to find the factorial of a number using iterative and recursive function. | LO3 |
| 6 | Exp 6: WAP to define a counter function to print how many times the function is called use storage classes. | LO3 |
| 7 | Exp 7:<br>a.WAP to find the largest element in an array.<br>b.WAP to calculate sum of two matrix. | LO4 |
| 8 | Exp 8:<br>a.WAP to find the length of a string without using library function.<br>b.WAP to check if the entered string is palindrome or not. | LO4 |
| 9 | Exp 9: Design a structure student_record to contain name, roll_number, and total marks obtained. Write a program to read 5 student's data from the user and then display the topper on the screen. | LO4, LO6 |
| 10 | Exp 10:<br>a.WAP to add two numbers using pointers<br>b.WAP to print the elements of an array in reverse order using pointers. | LO5 |
| 11 | Exp 11: WAP to maintain a simple employee database using file handling. | LO6 |
| 12 | Assignment 1 | LO1 TO LO3 |
| 13 | Assignment 2 | LO4 TO LO6 |

Subject Incharge