

# SYLLABUS

## CERTIFICATE COURSE IN C & C++

### PROGRAMMING WITH C

1. PROGRAMMING CONCEPTS
2. INTRODUCTION TO PROBLEM SOLVING & C PROGRAMMING
3. ARRAYS AND FUNCTIONS
4. ADVANCED PROGRAMMING
5. FILE HANDLING FEATURES
6. DATA STRUCTURES

### PROGRAMMING WITH C++

1. ARRAYS
2. BASIC CHARACTERISTICS OF OOP
3. C++ PROGRAMMING-BASICS
4. DECISION MAKING
5. MAKING LOOPS
6. FUNCTIONS
7. OBJECT ORIENTED PROGRAMMING CONCEPTS
8. STRUCTURES
9. OBJECTS & CLASSES
10. FILES AND STREAMS
11. POINTERS
12. VIRTUAL FUNCTIONS & POLYMORPHISM
13. INHERITANCE