C++ Program Syllabus

Introduction to C++:
- Introduction
- Environment setup (IDE)
- Basic I/O statements
- Namespace

Data Types:
- Variables
- Constants
- Int
- Float
- Double
- String

Operators:
- Arithmetic operators
- Assignment Operators
- Relational operators
- Logical operators
- Increment operators
- Decrement operators

Decision Making:
- If
- If- else
- Else-if
- switch

Looping Statement:
- while
- do-while
- for

Unconditional control statements:
- Break
- continue
- goto

Functions:

- what is function
- function without arguments
- function with arguments
- function overloading
- operator overloading

Compound Data Types:

- Struct
- Union
- Enum
- Typedef

Array:

- What is array
- 1-D Array
- 2-D Array

OOPS Concept:

- Class and Object
- Inheritance
- Polymorphism
- Encapsulation
- Abstraction

Pointers:

- What is pointers
- Concept of pointers

File I/o:

- Multiple file compilation
- Header files

Memory Management:

- Dynamic Memory management
- Error handling
- project