CS1101

Syllabus:

**Computer Fundamentals**: -

Hardware and Software;

Algorithms- Pseudo code, Flow Chart;

Number System- Decimal, Binary, Octal, Hexadecimal and BCD numbers, Binary Arithmetic.

What is Program, How Program Execute;

what is a language, Type of language- High Level, Assembly Language, Machine Level.

**C Programming**:-

Data types;

Operators;

Expressions;

Scope resolution and variable types;

Control flow structures;

Functions;

Arrays and Pointers;

Structures and Unions;

Stream data processing or File operations.

**C++ Programming**:-

Introduction to objects and classes;

Object hierarchy;

Inheritance;

Polymorphism;

Operator overloading;

Templates;

Virtual class and Friend class.