Syllabus

Course Contents:

- ✓ **Module 1: Basics**
    - ✓ History, Basic UNIX Commands, Introduction to Programming , Procedural Programming , Programming Languages, Introduction to compiler ,Linker, loader, Interpreter , Preprocessing Directives, Namespace Declaration, Overview of C.
- ✓ **Module 2: Scope of variables Constants**
    - ✓ Variables and Data types in C, Arrays, Character Arrays and Strings, Operators and Expressions, Operator Precedence, Managing Input and Output operation
- ✓ **Module 3:**
    - ✓ Decision making and Branching: Conditions-if-else constructs, switch case, Ternary conditional statements, Decision making and looping : for, while, do while, break, continue
- ✓ **Module 4: Functions**
    - ✓ **User defined function in C** , Recursions
- ✓ **Module 5:** Structures & Pointers Structures, Unions, Enums, Pointer Concepts
- ✓ **Module 6:** File Management in C

* Add on Concepts (if time permits): Introduction to Dynamic Memory Allocation