

Softpro India Computer Technologies (P) Ltd.

A Company Founded by Technocrats from IIT Kanpur & IET Lucknow

An ISO 9001:2015 Certified Company | An Associate Member of UPDESCO



ESTD. 2004





LEARNX

PRESENTED BY SOFTPRO INDIA

MODULE 1: PROGRAMMING & LOGIC BASICS

- Programming fundamentals
- Algorithm and flowchart
- Pseudocode and logic development

MODULE 2: C++

FUNDAMENTALS

- Structure of C++ program
- Variables and data types
- Operators
- Conditional statements

MODULE 3: LOOPS & PATTERN LOGIC

- for, while, do-while loops
- Nested loops
- Star and number patterns

MINI PROJECT 1:

Logic-based C++ programs (Calculator, Number problems)

MODULE 4: ARRAYS & STRINGS

- One and two dimensional arrays
- Searching and sorting
- String handling

MODULE 5: FUNCTIONS & RECURSION

- User-defined functions
- Parameter passing
- Recursion logic

MODULE 6: OOP USING C++

- Class and object
- Constructors and destructors
- Inheritance and polymorphism

MINI PROJECT 2:

Console-based OOP project (Student/Employee Management)

MODULE 7: FILE HANDLING

- Read and write operations
- Record management

MODULE 8: DATABASE FUNDAMENTALS

- DBMS and RDBMS
- SQL basics (CRUD operations)

MODULE 9: C++ WITH DATABASE (Conceptual)

- Data flow understanding
- CRUD logic

FINAL MAJOR PROJECT:

Logic-based application with database

TRAINING OUTCOMES:

- Strong problem-solving skills
- C++ programming confidence
- Database handling basics
- Interview readiness