CERTIFICATE ON C & C++ PROGRAMMING

Course Code:VAE_IT04
Duration: 3 Months(1+1+1)
Course Level I   : Basic (30 Hours)
Course Level II   : Core (30 Hours)
Course Level III : Expert (30 Hours)
Fees:₹500/-(For each level)
Minimum Eligibility Criteria : HSLC Passed

Objectives of the Course : This course is designed to provide complete knowledge of C/C++ programming language. Students will be able to develop logic which will help them to create programs, applications in C/C++. Also by learning the basic programming constructs they can easily switch over to any programming language in future.

Course Outcome : On completion of Certificate course in C and C++, students can also go for advanced level course and get expertise in this language. After the completion of this program, students can get different jobs of diverse profiles such as Software Developer, Software Analyst, Programmer, Engineer etc.

Syllabus

Course Level I   : Basic (30 Hours)
1. Introduction to C Programming
2. Variables and data types
3. Operators and expressions in C
4. I/O Management
5. Conditional Statement
6. Introduction to C++ Programming

Course Level II   : Core (30 Hours)

1. Implementing Loops in C and C++ Programs
2. Array, Pointer and String
3. Array, Pointer and String
4. Modular Programming with function
5. Structure

Course Level III : Expert (30 Hours)

1. Introduction to C++ Programming
2. Variables and data types
3. Operators and expressions in C++
4. I/O Management
5. Conditional Statement and Loops

6.   Function, Array and Pointer
7.   Friend Function
8.   Classes in C++
9.   Constructor/Destructor
10.   Inheritance