

## Certificate Course in Programming through C Language

### Objective of the Course:

The course is designed to provide programming fundamentals using C

### Learning Outcomes:

After the completion of the course, students will be able to:-

Understand the basic terminology used in computer, write , compile and debug programs in C language and use different data types in a computer program.

**Duration of the Course (in hours)**      80 hrs

**Appr. Fees (INR):**                      Rs.4000/-

**Minimum Eligibility Criteria and pre-requisites, if any**                      Basic Knowledge of computer

### Outline of Course

S. No	Topic	Minimum No. of Hours
1	Introduction to C	02 hrs
2	Data types & operator	06 hrs
3	Logical & looping constructs	15 hrs
4	Functions	06 hrs
5	Arrays & Pointers	25 hrs
6	Structures & union	10 hrs
7	Standard library & header files	06 hrs
8	File Handling Operations	10 hrs
<b>Theory / Lecture Hours:</b>		40 hrs
<b>Practical / Tutorial / Lecture Hours:</b>		40 hrs
<b>Total Hours:</b>		80 hrs

**Books recommended for reference and reading:**                      “Problem solving with C”  
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**Group Code:**      PRGL                      **Group Name:**      Programming Languages

**Course Code:**      CT01                      **Course Name:**      Certificate Course in Programming through C Language