National Institute of Electronics and Information Technology

Short Term Courses

Group Code: | PRGL | **Group Name:** | Programming Languages

Course Code: | CT01 | **Course Name:** | 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

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
Theory / Lecture Hours:		40 hrs
Practical / Tutorial / Lecture Hours:		40 hrs
Total Hours:		80 hrs

Recommended Hardware:	- Intel Core 13 Processor/O5 Processor/Dule Core 2 GB RAM 500 GB Hard disk - DVD Writer - LCD/LED Monitor - Keyboard (Normal)/Multimedia Keyboard - Optical Mouse - LAN Card

Recommended Software:	- Turbo C++ ver.3.0 - Visual C++ ver. 6.0 - LINUX gcc compiler

Books recommended for reference and reading:	"Problem solving with C" By M.T.Somashekara(PHI)

Suggested Fees (INR):	Rs.4000/-