National Institute of Electronics and Information Technology

Short Term Courses

Group Code: | JAVA | **Group Name:** | Java Technologies

Course Code: | CT01 | **Course Name:** | Certificate Course in Core Java

Objective of the Course:

The course is designed to provide programming fundamentals using JAVA

Learning Outcomes:

At the end of the course the participant will be able to:
- Implement object oriented programming concepts.
- Use and create package and interfaces in a Java program.
- Use graphical user interface in Java programs
- Create applets.

Duration of the Course (in hours) | 80 hrs

Minimum Eligibility Criteria and pre-requisites, if any | Basic Knowledge of Computers

Outline of Course

S. No	Topic	Minimum No. of Hours
1	Introduction to OOP's Classes and Objects	*14 hrs*
2	Packages & interfaces	06 hrs
3	Exception handling	06 hrs
4	Multithreading	10 hrs
5	Applets & AWT Controls & Swing	20 hrs
6	SQL & JDBC	20 hrs
7	Java I/O	04 hrs

Theory / Lecture Hours:	30 hrs
Practical / Tutorial / Lecture Hours:	50 hrs
Total Hours:	80 hrs

Recommended Hardware:	• Intel Core I3 Processor/ O5 Processor / Dual Core • 2 GB RAM • 500 GB Hard disk • DVD Writer • LCD/LED Monitor • Keyboard(Normal)/Multimedia Keyboard • Optical Mouse • LAN Card

Recommended Software:	• Oracle 10g Enterprise • JDK ver.107 • Tomcat ver.6.0 • Net Beans ver. 7.2

Books recommended for reference and reading:	"Core Java" by Mahesh P.Matha(PHI)

Suggested Fees (INR):	Rs.4000/-