

## Short Term Courses – NIELIT

### Advanced Diploma in J2EE

#### Objective of the Course:

The course is a 3 month course aimed at preparing fresh graduates for professional positions in the software and IT industry by developing advanced skills in cutting-edge technologies like JEE and web technology.

#### Learning Outcomes:

This is a hands on course which provides participants with the information and lab experience necessary to develop and deploy robust JEE 6 (Java Platform, Enterprise Edition) framework applications. This course starts with core java and covers advanced Java and JEE

Duration of the Course (in hours)    360 hrs / 12 Weeks

Appr. Fees (INR):                                Rs 27,000/- (Service Tax Extra)

Minimum eligibility criteria and prerequisites if any

- BE/BTech, Msc(IT/ Computer Science / Electronics), MCA, BCA or equivalent of any of these.
- Degree holders with PGDCA, DOEACC A, B level, Diploma in Computer Science, Electronics, or others with relevant experience

#### Outline of the Course

S. No	Topic	Minimum No. of Hours
1.	Core Java Introduction to Java Platform, Data Types, Variables, Arrays, Operators, Control Statements, Java Classes and Objects, Methods, Inheritance, Packages and Interfaces, Exception Handling, Threads and Multi Threading, I/O, String Handling, Java.Lang, Collections, Network Programming..	96 hrs
2.	GUI Development Java AWT, Text Fields, Buttons, Layout Managers, Event Handling, Applets, Graphics, JFC Swing, Swing Components, Animations	36 hrs
3.	Database Programming– Introduction to DBMS, JDBC in detail	20 hrs
4.	J2EE : Intro to JEE 6, RMI , Jar, WAR, JSP, JSTL, Servlets, JNDI, EJB - Session Bean - Stateless, Stateful, Entity Bean , Introduction to Struts Framework, JSF	108 hrs
5.	Project work	100 hrs
	Theory/ Lecture Hours:	120 hrs
	Practical/ Tutorial Lecture Hours:	240 hrs
	Total Hours:	360 hrs

**Books recommended for reference and reading:**

Java 2- The Complete Reference By Herbert Schildt  
Java EE 6 with Glassfish 3 Application Server by David Heffelfinger

## Short Term Courses – NIELIT

**Group Code:** JAVA

**Group Name:** Java Technologies

**Course Code:** AD01

**Course Name:** Advanced Diploma in J2EE