



**Computer Science Paper IX**  
**Practical Course Based on BS52205**  
**[Discipline Specific Course]**

<b>Semester: V</b>	<b>Credits: 2</b>	<b>Subject Code: BSP52209</b>	<b>Lectures: 36</b>
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**Course Outcomes:**

**At the end of this course, the learner will be able to:**

- Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs
- Analyse and write Java programs that solve real-world problems
- Validate input in a Java program using Exception Handling
- Design graphical user interfaces using Swing and AWT library

<b>Assignment 1: Java Tools and IDE, Simple java programs</b>	<b>8</b>
<b>Assignment 2: Array of Objects and Packages</b>	<b>8</b>
<b>Assignment 3: Inheritance and Interfaces</b>	<b>4</b>
<b>Assignment 4: Exception and File Handling</b>	<b>4</b>
<b>Assignment 5: GUI Designing, Event Handling</b>	<b>12</b>

**Recommended Reference Books:**

- Cay S. Horstmann, Gary Cornell, *Core Java Volume-I-Fundamentals*, Eighth Edition, Prentice Hall, Sun Microsystems Press
- E. Balagurusamy, *Programming with Java, A primer*, Fourth edition
- Herbert Schildt, *Complete reference Java (5th edition)*
- Steven Horlzner, *Java 2 programming black book*

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