



**BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING**  
(Approved by AICTE, New Delhi & Affiliated to Guru Gobind Singh Indraprastha University, Delhi)  
(An ISO 9001:2015 Certified Institution)  
A-4, Paschim Vihar, Main Rohtak Road, New Delhi – 110 063

## **Department of Computer Science and Engineering**

### **List of Experiments**

**Subject: Advanced Java Programming Lab      Paper Code: CIE-306P**

<b>Sr. No.</b>	<b>Name of Experiment</b>
1.	Write a Java program to demonstrate the concept of multi-threading
2.	Write a Java program to demonstrate the concept of Inheritance and Interface
3.	Write a Java program to demonstrate the concept of Exception Handling
4.	Write a Java program to demonstrate the concept of socket programming
5.	Write a Java program to demonstrate the use of Java Beans
6.	Write a Java program to insert data into a table using JSP
7.	Write JSP program to implement form data validation
8.	Write a Java program to show user validation using Servlet

#### **CONTENT BEYOND SYLLABUS**

<b>Sr. No</b>	<b>Name of Experiment</b>
1	Develop a small web program using Servlets, JSPs with Database connectivity
2	Develop a small Online Quiz program using Servlets, JSPs



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## Department of Computer Science and Engineering

**Subject: Advanced Java Programming Lab**

**Paper Code: CIE-306P**

### **COURSE OBJECTIVES :**

- 1. To learn the ability to design console based, GUI based and web based applications**
- 2. To learn how to create dynamic web pages, using Servlets and JSP.**
- 3. To learn designing applications using pre-built framework.**
- 4. To learn how to do distributed programming in Java using RMI, CORBA.**

### **COURSE OUTCOMES**

<b>At the end of the course, students will be able to:</b>	
<b>CO 1</b>	<b>Able to understand advanced programming concepts.</b>
<b>CO 2</b>	<b>Able to Develop server side program using JSP and Servlets</b>
<b>CO 3</b>	<b>Able to Develop component-based java software using java beans.</b>
<b>CO 4</b>	<b>Able to develop advanced projects based on Java</b>

### **MAPPING COURSE OUTCOMES (CO) AND PROGRAM OUTCOMES (PO)**

<b>CO</b>	<b>PO 01</b>	<b>PO 02</b>	<b>PO 03</b>	<b>PO 04</b>	<b>PO 05</b>	<b>PO 06</b>	<b>PO 07</b>	<b>PO 08</b>	<b>PO 09</b>	<b>PO 10</b>	<b>PO 11</b>	<b>PO 12</b>
<b>CO1</b>	3	2	2	3	2	.....	....	....	3	2	2	3
<b>CO2</b>	3	2	2	3	2	.....	....	....	3	2	2	3
<b>CO3</b>	3	2	2	3	2	.....	....	....	3	2	2	3
<b>CO4</b>	3	2	2	3	2	.....	....	....	3	2	2	3