Sinhgad Institutes

Sinhgad Technical Education Society's

RMD Sinhgad School of Engineering, Warje, Pune

Department of Electronics & Telecommunication Engineering

LABORATORY MANUAL

For

ADVANCED JAVA PROGRAMMING

T.E. (E & TC)
(2019 COURSE)

Prepared By
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Sinhgad Technical Education Society

RMD Sinhgad School of Engineering, Warje, PUNE.

Department of Electronics & Telecommunication Engineering

304195: Advanced JAVA Programming

(Elective-II) Lab

Course Objectives, Laboratory Objectives & Outcomes

Course Objectives

1) Design and develop GUI applications using Abstract Windowing Toolkit (AWT), Swing and EventHandling.
2) Design and develop Web applications
3) Designing Enterprise based applications by encapsulating an application's business logic.
4) Designing applications using pre-built frameworks.

❖ *Laboratory Objective*

The objective of this lab is to Design and develop GUI applications using Abstract Windowing Toolkit (AWT), Swing and Event Handling, JDBC,RMI so that students get an idea of Advanced java programming.

❖ *Laboratory Outcomes*

On completion of the course, student will be able to

1. To Design and develop GUI applications using Applets.
2. To Design and develop GUI applications using Applets.
3. To Design and develop GUI applications using Abstract Windowing Toolkit (AWT), Swing and Event Handling.
4. Learn to access database through Java programs, using Java Database Connectivity (JDBC)
5. Invoke the remote methods in an application using Remote Method Invocation (RMI)
6. Develop program for client /server communication using Java Networking classes.

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Sr. No.	Title of the Experiment	Page No.	Date of Performance	Date of Submission	Faculty Signature	Remark
1.	Write a program to demonstrate status of key on an Applet window such as KeyPressed, KeyReleased, KeyUp, KeyDown.					
2.	Write a program to create a frame using AWT. Implement mouseClicked, mouseEntered() and mouseExited() events. Frame should become visible when the mouse enters it.					
3.	Develop a GUI which accepts the information regarding the marks for all the subjects of a student in the examination. Display the result for a student in a separate window.					
4.	Write a program to insert and retrieve the data from the database using JDBC.					
5.	Develop an RMI application which accepts a string or a number and checks that string or number is palindrome or not.					
6.	Write a program to demonstrate the use of InetAddress class and its factory methods.					
7.	Write a database application that uses any JDBC driver					
8.	Write program with suitable example to develop your remote interface, implement your RMI server, implement application that create your server, also develop security policy file.					
9.	Create a simple calculator application using servlet.					
10.	Write a simple JSP page to display a simple message					

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