

Course Code- **MC2110**Course Title- **Lab: Adv. Java**

Teaching Scheme				Examination Scheme			
Lectures	Tutorials	Practical	Credits	CT	TA / TW	ESE	Total
-	-	4	2	-	50	25	75

**Course Objectives**

- 1 Design and develop Web applications
- 2 Design and develop GUI applications using Abstract Windowing Toolkit (AWT), Swing and Event Handling.
- 3 Develop web application using Java Servlet and Java Server Pages technology.

**Course Outcomes-** After studying this course, students will be able

- CO 1 Develop and use Eclipse to create new project
- CO 2 Develop Database & its related Operations using Servlet.
- CO 3 Convert their project to layered MVC Architecture
- CO 4 Implement the advanced environment using Hibernate, Struct, Spring in their Application
- CO 5 Create dynamic web pages, using Servlets and JSP.

**Course Contents (Suggestive List of Experiments)**

Expt No

Title

- 1 Write a program for creating mini chat application using socket programming.
- 2 Write a program for Addition and Subtraction using concept of RMI programming
- 3 Write a program to implement CRUD operation in JDBC
- 4 Create Exam Registration Form using JDBC Connectivity
- 5 WRITE A PROGRAM for creating Edit menu for Notepad using Frame
- 6 WAP for creating simple servlet with JDBC.
- 7 Create Employee information Form using JSP
- 8 Write a program for implementing concept of MVC Architecture.
- 9 Write a program for implementing concept of Hibernate, Stuct, Spring
- 10 Write a program for implementing concept of Maven Project
- 11 Write a program for implementing concept of Web Service
- 12 Write a program for implementing concept of Junit Testing.
- 13 Write a program for implementing concept of JAXB

**Mapping of COs and Pos**

PO → CO ↓	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
CO 1	1	1											1	1	
CO 2	1														1
CO 3	1	1	2										1		
CO 4		1	2		2						1		1	1	
CO 5	1	2							1	1					1