

Course: - MSC(CS)
Sub Code: 4MSC(CS)2

Semester: IV
Subject Name- - Advanced JAVA

| Unit | Lectures | Practical's | Workshop | Demo | Field | Total | Remarks |
|---|----------|-------------|----------|------|-------|-------|---------|
| UNIT I Introduction & Requirements - Introduction to HTML , Java Server Pages – Basics – JSP Constructs – Scripting elements - directives - actions – beans – tags , Introduction to apache tomcat server (installation & configuration)-start/stop tomcat services – run JSP page on Tomcat | 8 | 6 | | | | 14 | |
| UNIT II JSP implicit objects, Handling Request Parameters – Form Handling (text fields / text area) – Handling multiple buttons/check boxes/radios/combos - Session Management – URL Rewriting - Hidden fields – cookies | 8 | 6 | | | | 14 | |
| UNIT III Introduction to Servlet- Servlet Life Cycle – ServletRequest & ServletResponse – Writing Servlets – Requirements & Configuration ServletRequest & ServletResponse Methods & use – sending different types of data | 8 | 6 | | | | 14 | |
| UNIT IV Introduction to MySQL –features, installation & configuration, creating & managing database, MySQL Driver Java Database Connectivity (JDBC) with MySql –loading MySql driver – creating connection – Statement – ResultSet | 8 | 6 | | | | 14 | |
| UNIT V Java Naming Directory Interfaces – JMS – Introduction – Topic – example of Topic & Queue – EJB – Basics – stateless / client creation – statefull client creation – Container Managed Persistence – Bean Managed Persistence | 8 | 6 | | | | 14 | |
| TEXTS & REFERENCE BOOKS : | | | | | | | |
| <ul style="list-style-type: none"> • <i>JAVA THE COMPLETE REFERENCE BY PATRICK NAUGHTON AND HERBERT SCHILDT. TMH PUBLICATION ISBN 0-07-463769-X</i> • <i>PROGRAMMING WITH JAVA BY E. BALAGURUSWAMY TMH PUBLICATIONS ISBN 0-07-463542-5</i> • <i>USING JAVA 1.2 BY JOSEPH WEBER. PHI – ISBN-81-203-1558-8</i> | | | | | | | |