

College of IT and Management Education

Lesson Plan

Sub : IT and Enterprise JAVA (MCC-503)
Branch : MCA
Semester : 5th Semester MCA (July – December ,2016)

Name of the Faculty : Sabita rani Behera

Total Credit Point: 4

Total Number of Classes: 40

SL No.	TOPIC PLANNED	SESSION
MODULE-I		15 hours
1.	Internetworking concept and architectural model , classful internet addresses	1
2.	classless internet addresses , subnet addressing (CIDR)	1
3.	Protocol Layering	1
4.	Mobile IP	1
5.	Client Server model, World wide web	1
6.	Voice and Video over IP	1
7.	Web 2.0, Web Browsers, Web Servers, URLs, URN, URI	1
8.	Introduction to HTML & XHTML Programming: Syntax, Document structures , images, List, hyperlinks	1
9.	Tables	1
10.	Forms	1
11.	Frames, CSS ,Types of CSS	1
12.	JavaScript Programming: if,Loops, DOM,	1
13.	function and arrays	1
14.	XML: Document structure, DTD, Namespaces ,Schema	1
15.	Parsing XML documents.	1
MODULE-II		16 hours
16.	Introduction to Enterprise Java Programming ,Java EE 6 API, Web Applications	1
17.	Java Servlet Technology: - Lifecycle of a Servlet	1
18.	Servlet API, Servlet Packages, Types of servlets	1
19.	Stateless and Stateful protocols, Session Tracking using cookie and session	2
20.	Database Access using servlet	1
21.	Introduction to JSP Technology: - Architecture & Anatomy of JSP Page	1
22.	JSP life cycle, JSP with MVC Architecture	1
23.	Scripting Elements, Directives and Action tags	1
24.	Use of java bean class in jsp	1
25.	Session Tracking using session object	1
26.	Database Access using jsp	1
27.	JSTL	1
28.	Ajax.	1
29.	JavaServer Faces (JSF) Technology	1
30.	Facelets	1
MODULE-III		9 hours
31.	Introduction to Enterprise JavaBeans Technology: EJB Component rchitecture	1

32.	Types of EJB :Session bean ,Message driven and Entity bean	1
33.	Life cycle of EJB	1
34.	Security features of EJB	1
35.	Contexts and Dependency Injection for the Java EE Platform	1
36.	Java Persistence API	1
37.	Transactions and Resource Connections.	1
38.	Introduction to Web Services: Building Web services with JAX-WS	1
39.	Doubt Clearing Classes	1

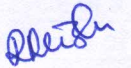
Text Books:

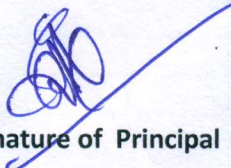
1. Douglas E. Comer, "Internetworking with TCP/IP, Volume 1: Principles, Protocols and Architecture", Fifth Edition, 2006, PHI Learning Pvt. Ltd., New Delhi.
Chapters: 1, 3, 4, 9, 10, 18, 20, 27, 28.
2. Ralph Moseley, "Developing Web Applications", 2008, Wiley India, New Delhi.
3. Eric Jendrock, D. Carson, I. Evans, D. Gollapudi, K. Haase, C. Srivastha, "The Java EE6 Tutorial", Volume-1, Fourth Edition, 2010, Pearson India, New Delhi.
Chapters: 1, 3, 4, 5, 7, 9 to 12, 14 to 16, 17, 19, 23, 26, 27, 28.

References:

1. Joe Wigglesworth, Paula McMillan, "Java Programming: Advanced Topics", 3rd Edition, 2009, CENGAGE Learning India Pvt. Ltd., New Delhi.
2. William Stallings, "Computer Networking with Internet Protocols and Technology", 2004, Pearson education, New Delhi.
3. Kongent S., "Java Server Programming (JEE 6) Black Book, Platinum Edition", 2008, Dreamtech / Wiley India Pvt. Ltd.
4. David Geary, Cay S. Horstmann, "Core JavaServer Faces", Second Edition, 2007, Pearson Education, Inc. New Delhi.
5. Adrian Farrel, "The Internet and its Protocols: A Comparative Approach", 2005, Elsevier India Pvt. Ltd., New Delhi.

Sabeta rane Achera
Signature of Faculty


Signature of Course Coordinator


Signature of Principal