

Syllabus		
Unit No	Contents	Mapped CO
I	<p>INTRODUCTION TO WEB TECHNOLOGIES: History of the web, Overview of HTTP, HTML Introduction, HTML Basic, HTML Links, Images, Tables, Lists, HTML Block & Inline, HTML classes, Id, Iframes, HTML forms.</p> <p>CSS: Levels of Style Sheets, Style Specification Formats, Selector Forms, the Box Model.</p> <p>THE BASIC OF JAVASCRIPT: JS Data Types, functions, Objects, Events, Strings, Arrays, Functions, Pattern Matching using Regular Expressions</p>	CO1,CO 3
II	<p>WORKING WITH XML: Introduction to XML, XML Basics, XML Technologies, Extensible HTML (XHTML), Java API for XML Processing, Document Object Model (DOM), Extensible Style Sheet Language Transformation (XSLT).</p> <p>WORKING WITH JAVA BEANS: Introducing Java Beans, Introspection Design Patterns for properties, methods, events, bean API.</p>	CO1,CO 2
III	<p>WORKING WITH DATABASE: Getting started with JDBC, Defining ODBC, Introduction to JDBC, Components of JDBC, JDBC Architecture, Types of Drivers, Working with JDBC APIs, Creating a Simple Application, Working with Prepared Statement, Using Callable Statement.</p>	CO1,CO 3
IV	<p>WORKING WITH SERVLETS: Introducing the MVC architecture, Describing Servlets, Understanding Servlets, What are servlets, Introducing the Servlet API, Servlet Life Cycle, Developing First Servlet Application, Generic Servlet Class.</p> <p>WORKING WITH REQUESTS & RESPONSES: Understanding Request Processing and HTTP Describing the Servlet Request Interface, Working with Initialization Parameters, Describing Request Attributes, request dispatcher interface, Describing HTTP basics, Problem with Servlets.</p>	CO1,CO 2,CO3
V	<p>WORKING WITH JSP: Introduction to JSP, Understanding JSP, Describing the JSP Life Cycle, Creating a Simple JSP pages, working with JSP basic tags and implicit objects, working with Java Beans and Action tags in JSP, Working with JSP standard Tag Library (JSTL)</p>	CO1,CO 2,CO3

Learning Resources**Text books**

1. Web Technologies, Black Book, Kogent Learning Solutions Inc, Dreamtech Press,2018.
2. JDBC, Servlets, and JSP, New Edition, Santhosh Kumar K, Kogent Learning Solutions Inc, Dreamtech Press, 2018.

References

1. Web Technologies ,Uttam K. Roy, Volume 2 , Oxford University, 2010
2. An Introduction to Web Design and Programming –Wang-Thomson
3. Professional Java Server Programming S.AllamRaju and othersApres(dreamtech)
4. Java Server Programming ,Ivan Bayross and others,The X Team,SPD
5. Beginning Web Programming-Jon Duckett WROX.
6. Java Server Pages, Pekowsky, Pearson.

e-Resources and other Digital Material

1. <http://nptel.ac.in/courses/106105084/13>
2. <http://www.w3schools.com/>
3. <https://www.javatpoint.com/html-tutorial>