Code	Internet Programming	2 Hours/Week	2 Units

Contents of Syllabus	Hours
❖ **JAVA SCRIPT PROGRAMMING** ▪ An overview of Java Script. ▪ Java Script: An introduction to JavaScript–JavaScript DOM Model-Date and Objects ▪ Streams and I/O – Applets.	6
❖ **WEBSITES BASICS, HTML 5, CSS 3, WEB 2.0** ▪ Web 2.0: Basics-RIA Rich Internet Applications. ▪ Difference between websites and web server. ▪ Internet technologies Overview. ▪ HTML and CSS: HTML 5.0 , XHTML, CSS 3.	8
❖ **CLIENT SIDE AND SERVER SIDE PROGRAMMING** ▪ Regular Expressions and Exception Handling. ▪ Validation-Built-in objects. ▪ DHTML with JavaScript. Servlets: Java Servlet Architecture. ▪ Form GET and POST actions and Cookies.	6
❖ **PHP and XML** ▪ An introduction to PHP: PHP, Variables- Program control- Built-in functions. ▪ Connecting to Database. ▪ Regular Expressions; XML: Basic XML. ▪ XML Schema DOM and Presenting XML, XML Parsers and Validation, XSL and XSLT Transformation, News Feed (RSS and ATOM).	6
❖ **INTRODUCTION TO AJAX and WEB SERVICES** ▪ AJAX: Ajax Client Server Architecture. ▪ XML Http Request Object-Call Back Methods; Web Services: Introduction- Java web services Basics.	4

Text Book

1. Chris Bates, Web Programming – Building Intranet Applications, 3rd Edition, Wiley Publications, 2009.

References:

1.Jeffrey C and Jackson, "Web Technologies A Computer Science Perspective", Pearson Education, 2011.

2.Gopalan N.P. and Akilandeswari J., "Web Technology", Prentice Hall of India, 2011.

3.Paul Dietel and Harvey Deitel, "Java How to Program", , 8th Edition Prentice Hall of India.

4.Mahesh P. Matha, "Core Java A Comprehensive Study", Prentice Hall of India, 2011.

5. Uttam K.Roy, "Web Technologies", Oxford University Press, 2011.