Diploma, Anna Univ UG & PG Courses

Notes
Syllabus
Question Papers
Results and Many more...

Available @

www.AllAbtEngg.com

RO8013 INTERNET TOOLS AND JAVA PROGRAMMING

DETAILED SYLLABUS

OBJECTIVES:

The student should be made to:

- Learn about the various tools used in internet
- · Learn Java Programming.
- Understand different Internet Technologies and the way to handle it.
- Be familiar with client side programming and server side programming.
- Learn to develop web applications.

UNIT I INTERNET TOOLS

Major Internet Services – Net Telephony – Internet Relay Chat – Newsgroups – File Transfer Protocol (FTP) – Remote Login – Telnet, Gopher, and Veronica Clients OBJECT ORIENTATION IN JAVA: Introduction - Data Types - Operators - Declarations - Control Structures - Arrays and Strings – Input / Ouput.-Java Classes - Fundamentals - Methods - Constructors - Scope rules - this keyword - object based Vs oriented programming.- - Inheritance-Reusability - Composing class.

UNIT II ABSTRACT FUNCTIONS AND PACKAGES

Abstract classes - Abstract Functions – Method Overloading and Method Overriding- Wrapper Classes. Packages - Access protection - Importing packages - Interface - Defining and Implementing Interface - Applying Interface - Variables in Interfaces.

UNIT III EXCEPTION HANDLING

Fundamentals - Exception types - Uncaught Exception - Using Try and Catch - Multiple catch clauses - Nested Try statements - Throw - Throws - Java Built-in Exception - Creating your own subclasses. MULTI THREADED PROGRAMMING: Java thread model - Priorities - Synchronization - Messaging - Thread class and runnable Interface - Main thread - Creating the Thread - Synchronization - Interthread Communication - Deadlock.

UNIT IV I/O, APPLETS

I/O basics - Stream - Stream Classes - Predefined stream - Reading/Writing console input - Applet fundamentals - Native methods - GUI Components - Applets - Java Scripts - AWT / Swings.

<u>UNIT V INTRODUCTION TO NETWORK PROGRAMMING</u>

Fundamentals - Internet Addresses - Internet Protocols - DNS - Internet Services - Socket programming, UDP, TCP. JAVA DATABASE PROGRAMMING: JDBC -Database Connection and Table Creation - Execution of Embedded SQL Statements - Result Set and Result Set Meta Data - Examples.

Diploma, Anna Univ UG & PG Courses

Notes
Syllabus
Question Papers
Results and Many more...

Available @

www.AllAbtEngg.com

TEXT BOOKS:

- 1. Patrick Naughton and Herbert Schildt, "JAVA The Complete Reference", Tata McGraw Hill, 1997.
- 2. Deitel and Deitel, "JAVA How to Program", Prentice Hall International Inc, 2003.

REFERENCES:

- 1. William Stanek and Peter Norton, "Peter Norton's Guide to Java Programming", Tech Media Publications, 1997.
- 2. Mark Grand, "JAVA Language Reference", O'Reilly & Associates Inc., 1997.
- 3. Horstmann and Cornell, "Core Java", Pearson Education, 2001.
- 4. Kennath Litwak, "Pure Java 2: A Code-Intensive Premium Reference", Tech Media Publications, New Delhi, 2000
- 5. James K L," The Internet: A Users Guide", Prentice Hall of India, New Delhi, 2003.