

CLUSTER UNIVERSITY SRINAGAR

(SYLLABUS)

Course Code	BCA-CR4101
Course Title	Internet & Web Designing
Semester	BCA 4 th Semester
Course Type & Credits	Core Paper - 04 Credits (L) + 02 Credits (P) = 06 Credits

Unit I

Concept of Internet A brief Introduction to the Internet: Computer Networks, Internet, URL (Uniform Resource Locator), Internet Service Provider, Intranet, Virtual Private Network. Application of Internet: World Wide Web, Search Engines, News groups, Electronic Mail, Web Portal, Chat, Video Conferencing, FTP, Remote Login, E-Commerce, E-Learning, EGovernance, E-Banking.

Unit II

Static Web Page Development Basics of HTML: What is Internet Language?, Understanding HTML, Create a Web page, Linking to other Web Pages, Publishing HTML Pages, Text Alignment and Lists, Text Formatting Fonts Control, Email Links and link within a Page, Creating a Table, Creating HTML Forms, Creating Web Page Graphics,

Unit III

JavaScript Introduction to JavaScript: Writing First Java Script, External JavaScript, Variables: Rules for variable names, Declaring the variable, Assign a value to a variable, Scope of variable, Using Operators, Control Statements, JavaScript loops, JavaScript Functions: Defining a Function, Returning value from function, User define function.

Unit IV

PHP : Why PHP and MySQL?, Server-side web scripting, Installing PHP, Adding PHP to HTML, Syntax and Variables, Passing information between pages, Strings, Arrays and Array Functions, Numbers, Basic PHP errors / problems. Advanced PHP and MySQL : PHP/MySQL Functions, Displaying queries in tables, Building Forms from queries, String and Regular Expressions, Sessions, Cookies and HTTP, Type and Type Conversions, E-Mail

Suggested Readings:

1. Teach Yourself HTML 4 in 24 Hours By Dick Oliver (Tech media) 4th edition
2. The Complete Reference JavaScript By Thomas Powell & Fritz Schneider 2nd Edition.
3. Introduction to Internet and HTML Scripting By Bhaumik Shroff, Books India Publ.
4. Jason Gilmore, "Beginning PHP and MySQL From Novice to Professional", 4th Edition, Apress Publications, 2010.
5. PHP : The Complete Reference By Steven Holzner, Tata McGrawHill