

501 : Internet Programming

Theory Credits:4

Lab Credits:2

Objectives :

This subject teaches the latest web technologies and their many uses for web development and business applications. Brief topics covered in this subject are, Evolution of Web technologies, Use of scripting languages and how they add dynamic content to web pages, Web programming in HTML page, ActiveX control, JavaScript functions, VBScript function, ASP, PHP,

Sr. No.	Topic Name	No. Of Hrs
01	Introduction to Internet: :Brief history of the Internet, global information infrastructure, working of Internet, ISP, browsers	03
02	HTML: Introduction to HTML, Contents- Block, Text, Form Elements, Links - To a page, with in page, to a site, Links and images: Image mapping, Layouts - List (OL, UL, DL), Tables, Frames, Head Elements, Base font, Metatags, scripts, style, CSS – Inline, Embedded, external DHTML: Font, Text, Image change, Table expansion	10
03	Java Scripts : Introduction, Identifiers, Operators, Functions, Event handling, Classes, objects, Array, math, string, window object, Navigator	16
04	VB Scripts :Variables, data types, Operators, functions, String manipulation, arrays, control structure	11
05	ASP :ASP fundamentals, ASP Vs Client side scripting, Setting PWS and/or IIS, ASP tools like visual Interdev or front page, ASP and browser, ASP process, concept of file inclusion, variables, data types, constants, arrays, operators, control structure – conditional looping, VB script built-in functions, working with objects, collections, events, using response object, communicating with the user. Forms – creation, designing, submitting, reading, client side validation, using databases	20
	Total	60

Reference Books:

Mastering JavaScript by BPB Publication

Web Designing Fundamentals by Daneil Gray

Teach Yourself HTML by S Bryant

Beginning with active server pages 3.0 by David Buser , John Jauffman

Internet Programming Practical

30 hrs

Every student is required to perform minimum 7 experiments.