

SARDAR PATEL UNIVERSITY
Programme & Subject: M.Sc (Electronics & Communication)
Semester: I
Syllabus with Effect from: June - 2011

Paper Code: PS01EELC02	Total Credit: 4
Title Of Paper: Internet & Web Technologies	

Unit	Description in Detail	Weightage (%)
I	History of the Internet and World Wide Web, HTML 4 protocols, HTTP, SMTP, POP3, MIME, IMAP. Introduction to JAVA Scripts: Object Based Scripting for the web. Structures, Functions, Arrays, Objects.	20%
II	Introduction to Object refers, Collectors all and Children. Dynamic style, Dynamic position, frames, navigator, Event Model : On check, On load, Form process, Event Bubbles, Filters, Transport with the Filter, Creating Images, Adding shadows, Creating Gradients, Creating Motion with Blur, Data Binding, Simple Data Binding, Moving with a record set, Sorting table data, Binding of an Image and table.	20%
III	Audio and video speech synthesis and recognition, Electronic Commerce, E-Business Model, E- Marketing, Online Payments and Security, Web Servers, HTTP request types, System Architecture, Client Side Scripting and Server side Scripting, Accessing Web servers, IIS, Apache web server.	20%
IV	Database, Relational Database model, Overview, SQL, ASP, Working of ASP, Objects, File System Objects, Session tracking and cookies, ADO, Access a Database from ASP, Server side Active-X Components, Web Resources, XML, Structure in Data, Name spaces - DTD, Vocabularies, DOM methods.	20%
V	Introduction to Servlet Overview Architecture, Handling HTTP Request – Get and post request, redirecting request, multi-tier applications, JSP – Overview, Objects, scripting, Standard Actions, Directives.	20%

Basic Text & Reference Books:-

- Internet and world wide web – How to Program: Deitel & Deitel, Goldberg, Pearson Education Asia, 2001.
- Using HTML 4, XML and JAVA: Eric Ladd, Jim O’ Donnel, Prentice Hall of India – QUE, 1999.
- Web Programming: Desktop Management: Aferganatel, PHI, 2004.
- Web Technology: Rajkamal, Tata McGraw-Hill, 2001.

