

INSTITUTE OF ENGINEERING AND MANAGEMENT

GOURAHARI VIHAR, PO: RANIPUT, JEYPORE – 764 005

LESSON PLAN

Name of the Subject: INTERNET AND WEB TECHNOLOGY

Name of the Faculty: Amod Kumar Bagh

Semester: Fifth Semester

Branch: Computer Sc.

Semester From: July to December

No. of Weeks: 16 Weeks

Week	Day	Theory/ Practical Topics	Classes
		Unit 1 - INTERNET BASICS	06
1	1	Fundamentals of internet and www	1
	2	Internet Basics	1
	3	Computer network	1
	4	Concept of Internet, Intranet, Modem	1
2	5	IP Address, Internet Domains	1
	6	CIDR Notation, ISP, TCP/IP	1
		Unit 2 - INTERNET CONNECTIVITY & WWW	09
	7	Introduction of connectivity	1
	8	Medium and methods of connectivity	1
3	9	ISDN, VSAT, RF Link	1
	10	Working of Internet	1
	11	Introduction to WWW Application Level Protocol	2
	12		
4	13	Web Browser, URL, Hyper text, Hyperlinks, Hypermedia,	3
	14		
	15		
		Unit 3 - INTERNET SECURITY	06
	16	Introduction to security	1
5	17	Types of security, Authentication & Authorization	2
	18		
	19	Application of security concepts and Firewalls	1
	20	Encryption & Decryption, SSL	2
6	21		
		Unit 4 - INTERNET APPLICATION	06
	22	E-Mail, Email protocols	1

	23	Telnet	1
	24	FTP , Newsgroup	1
7	25	Internet Relay Chat	2
	26		
	27	Video Conferencing	1
		Unit 5 - WEBSITE CLASSIFICATIONS	03
	28	Static Websites, Dynamic websites	1
8	29	Web portals, Social Networking Sites	1
	30	RSS Feed, Blog, Netiquette, Static Websites	1
		Unit 6 - DEVELOPMENT OF PORTALS USING HTML	09
	31	Design a webpage, Good Web Design	2
	32		
9	33	HTML Introduction	1
	34	HTML Frames	1
	35	Forms	1
	36	Disadvantages of HTML	1
10	37	Separating style from structure with style sheets	2
	38		
	39	CSS Rules, Types of CSS	1
		Unit 7 - CLIENT SIDE SCRIPTING WITH JAVASCRIPT	06
	40	Introduction to script, Client side Scripting, Types of Scripting Variables in JavaScript, Built-in Function	1
11	41	Arrays in JavaScript	1
	42	Conditional statements, Loops	1
	43	Document Object Model , Creating Functions, objects in JavaScript	1
	44	Event handling in JavaScript, Embedding JavaScript with HTML, Working with Cookies	1
12	45	Connecting database using JavaScript in HTML Page Working with Browser, validating and submitting Forms	1
		Unit 8 - SERVER SIDE SCRIPTING	05
	46	Introduction to server side Scripting	1
	47	Components of SSS	1
	48	Difference between CSS and SSS	1
13	49	Server side Scripting method	1
	50	JavaScript on server, SQL	1

		Unit 9 - SERVER SIDE PROGRAMMING USING PHP	10
	51	Introduction to PHP	1
	52	Variables, string	2
	53		
14	54	operator types	2
	55		
	56	Conditional statement	1
15	57	Loops with examples	2
	58		
	59	Array	2
	60		
16	61	Case Studies/ Revisions	4
	62		
	63		
	64		

RECOMMENDED BOOKS

01 NehaDutta, AdeshPandey, Internet and Web Designing ,Katson Books

02 Sisodia, Internet & Web page Design, BPB Publication

03 U.K Roy, Web Technologies, OxfordUniv.Press

NPTEL Lectures

1. <https://nptel.ac.in/courses/106/105/106105084/>