

Lesson Plan Summary

Class: Subject Teacher's Name	MONTH	TOPICS/Chapters to be covered	Academic Activities to be organized	Topic of Assignments Test to be given to the student
BCA –III Internet Technologies MANJEET KAUR	1st Week	Introduction; History; Internet Services; TCP/IP: Architecture, Layers, Protocols; TCP/IP model versus OSI Model	1. Brainstorming on History of internet and internet	Assignment1: Application Layer: Electronic Mail: Architecture; Protocols - SMTP, MIME, POP, IMAP; Web Based Mail;
	2nd Week	World Wide Web (WWW), Creating and Searching Information on the Web, Popular Search Engines, URL, HTTP		
	3rd Week	Web Browsers, Chat & Bulletin Board, USENET & NNTP (Network News Transfer Protocol); Internet vs. Intranet;		
	4th Week	TCP, UDP and IP Protocols, Port Numbers; Format of TCP, UDP and IP; IPv4 addressing; IPv6 addressing and packet format	2. Brainstorming on different Web Browsers, Search Engine	NIL
	5th Week	TCP Services; TCP Connection Management; Remote Procedure Call; IP Address Resolution- DNS; Domain Name Space; DNS Mapping; Recursive and Iterative Resolution;		
	6th Week	Mapping Internet Addresses to Physical Addresses: ARP, RARP, DHCP; ICMP; IGMP;		
	7th Week	Application Layer: Electronic Mail: Architecture; Protocols - SMTP, MIME, POP, IMAP; Web Based Mail;		
	8th Week	File Access and Transfer: FTP, Anonymous FTP, TFTP, NFS; Remote Login using TELNET;	3. GD on different Application Layer protocols	Assignment2: Internet Security: EMail Security; Web Security; Firewall; Introduction to IPSec and SSL
	9th Week	Voice and Video over IP: RTP, RTCP, IP Telephony and Signaling, RSVP;		
	10th Week	Routing in Internet: RIP, OSPF, BGP;		
	11th Week	Internet Multicasting;	4. Debate on different Social sites security issues, Network security issues	
	12th Week	Mobile IP; Private Network Interconnection: Network Address Translation (NAT), Virtual Private Network (VPN)		
	13th Week	Internet Management and SNMP; Internet Security: E-Mail Security; Web Security; Firewall; Introduction to IPSec and SSL;	NIL	Class Test: Class test on different Routing algorithms
	14th Week	Revision		
	15th Week	Revision		
	16th Week	Revision	Old Question Papers Solving	

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