Lecture Plan

Subject: Internet Technology (CSE18109) [L-T-P = 3-1-0]
Class: VIII Semester B.Tech. (Computer Science & Engineering)

Sl. No.	Name of the Topics	Number of Lectures
1.	**Introduction to Internet** Internet Architecture, Evolution and Internet Network Architecture, OSI Reference Model, TCP/IP	2
2.	**Internet Protocols** Introduction to IPv4 and IPv6, Need of Internet Protocols, Addressing Scheme, Subnet Masking, ICMP	5
3.	**Transport Layer Protocol** TCP, UDP	5
4.	**Internet Routing Protocols** RIP, OSPF, BGP	5
5.	**Other Protocols** ARP, RARP, BOOTP, DHCP, DNS	5
6.	**Mail Server & E-mail Protocol** SMTP, MIME, POP	3
7.	**HTML Web Tools** Introduction to HTTP, HTTP Transaction, HTTP Request and Response Message, Introduction to WWW, Browser Architecture, HTML Page Creation (Static and Dynamic)	5
8.	**Client-Server Approach** Client-Server Model, Socket Interface	2
9.	**Introduction to JAVA Programming** Introduction to JAVA, Features of JAVA, Difference between Application and Applets, Creation and Compilation of Application and Applets	6
10.	**Voice & Multimedia over IP** Introduction to Real-Time Traffic, VoIP	2
11.	**Mobile IP** Introduction and Need of MIP, Agent Discovery, Registration, Data Transfer, Inefficiency in MIP	2
	TOTAL	42