

LESSON PLAN

Branch: MCA

SUBJECT: INTERNET TECHNOLOGY

Semester: 5th

Module No	Topic to be covered	
	Basics of Internet Architecture	1
	Internet overview, Evolution of Internet	2
	Components of Internet-LAN, Access Network	3
	Cont..	4
	Core network, Router	5
	Transmission Infrastructure, ISPs	6
	Packet switching, Circuit switching	7
	Packet vs Circuit switching	8
	IP- Connectionless switching	9
	Internet Standards	10
	Network protocol overview	11
	Key protocol architecture	12
	Cont..	13
	IP network overview	14
	More about IP network	15
	IP Addressing	16
	IP Addressing classes	17
	TCP Fundamentals	18
	TCP/IP Routing	19
	Cont..	20
	Access network architecture	21
	Access network characteristics	22
	Comparision among Access n/w, LAN, WAN	23
	Access technologies	24
	Voice grademodem ADSL	25
	Cable modem, Frame relay	26
	DNS	27
	DNS Operations	28
	DNS to IP address conversion	29
	IP routing protocol-OSPF, BGP4	30
	Internet applications	31
	FTP, TELNET	32
	E mail, Chat	33
	WWW, HTTP Protocol	34
	Search engine, E commerce and security issues	35
	Encryption. Decryption	36
	Digital signature	37
	Intranet and Extranet	38
	Firewall	39
	Firewall	40