

Bhoj Reddy Engineering College for Women Hyderabad

Lesson Plan of faculty members for the academic year 2015-16

Class : IV B.Tech I Sem

Branch & Sectio : ECE A

Subject: Computer Networks

No. of Lectures per week: 4 + 1

Faculty: K.Shirisha

Department: CSE

S.No	Date	Topic
UNIT I: Introduction to Computer Networks		
1	29-06-2015	Introduction to Networks
2	01-07-2015	Internet
3	03-07-2015	Protocols & standards.
4	04-07-2015	The OSI model, Layers in OSI model
5	29-07-13/01-07-15/02-07-15	Tutorial(G3/G2/G1)
6	06-07-2015	TCP/IP protocol suite
7	08-07-2015	Addressing
8	10-07-2015	Analog signals
9	11-07-2015	Digital Signals
10	06-07-15/08-07-15/09-07-15	Tutorial(G3/G2/G1)
11	13-07-2015	Digital transmission.
UNIT II: Physical Layer		
12	15-07-2015	Multiplexing, Introduction to transmission media
13	17-07-2015	Guided Media
14	13-07-15/15-07-15/16-07-15	Tutorial(G3/G2/G1)
15	20-07-2015	Unguided media
16	22-07-2015	Virtual circuit network
17	24-07-2015	Circuit switched Network, Datagram networks
18	25-07-2015	Telephone Network
19	20-07-15/22-07-15/23-07-15	Tutorial(G3/G2/G1)
20	27-07-2015	Structure of Switch
UNIT – III Data Link Layer		
21	29-07-2015	Introduction to error detection & correction
22	31-07-2015	Block coding
23	01-08-2015	Linear block code, Cyclic code
24	27-07-15/29-07-15/30-08-15	Tutorial(G3/G2/G1)
25	03-08-2015	Cyclic code, checksum
26	05-08-2015	Framing
27	07-08-2015	Flow&error control ,protocols
28	08-08-2015	Noiseless channels
29	03-08-15/05-08-15/06-08-15	Tutorial(G3/G2/G1)
30	10-08-2015	HDLC,Point to point protocols
UNIT IV – Medium Access to Sub Layer		
31	12-08-2015	Random access(Aloha,CSMA)
32	14-08-2015	Controlled access
33	10-08-15/12-08-15/13-08-15	Tutorial(G3/G2/G1)
34	17-08-2015	IEEE standard, standard ethernet
35	19-08-2015	Hanges in Ethernet,Fast&Giga-Bit ethernet
36	21-08-2015	IEEE 802.11 wireless LAN
37	22-08-2015	IEEE standard, standard ethernet
38	17-08-15/19-08-15/20-08-15	Tutorial(G3/G2/G1)
UNIT V: Connecting Devices		
39	31-09-2015	Bluetooth, Connecting Devices

40	02-09-2015	Backbone networks
41	04-09-2015	Virtual LANs
42	05-09-2015	Cellular Telephony
43	31-09-15/02-09-15/03-09-15	Tutorial(G3/G2/G1)
44	07-09-2015	Satellite Network
45	09-09-2015	SONET/SDH Architecture
46	11-09-2015	SONET layers, SONET frames
47	12-09-2015	STS multiplexing, Sonet Network
48	07-09-15/09-09-15/10-09-15	Tutorial(G3/G2/G1)
49	14-09-2015	Frame relay,ATM
50	16-09-2015	ATM,ATM LANS
UNIT VI : Network Layer		
51	18-09-2015	Ipv4,Ipv6 addressing
52	19-09-2015	Internetworking
53	14-09-15/16-09-15/17-09-15	Tutorial(G3/G2/G1)
54	21-09-2015	Ipv4,Ipv6 ,Transmission from Ipv4 to Ipv6
55	23-09-2015	Address mapping,ICMp,IGMp,ICMPv6
56	25-09-2015	Delivery, forwarding
UNIT VII : Transport Layer		
57	26-09-2015	Process to process delivery, TCP,UDP
58	21-09-15/23-09-15/24-09-15	Tutorial(G3/G2/G1)
59	28-09-2015	SCTP, data traffic
60	30-09-2015	Congestion ,congestion control
61	03-10-2015	Quality of service, technique to improve QOS
62	28-09-15/30-09-15/01-10-15	Tutorial(G3/G2/G1)
UNIT VIII : Application Layer		
63	05-10-2015	Name space, DNS,
64	07-10-2015	distribution of Namespace, DND
65	09-10-2015	Resolution DNS messages, emails
66	10-10-2015	Remote logging, FTP,
67	05-10-15/07-10-15/08-10-15	Tutorial(G3/G2/G1)
68	12-10-2015	WWW architecture
69	14-10-2015	HTTP architecture, Web documents.
70	16-10-2015	Digitizing Audio and Video and their comparison
71	17-10-2015	(Network Security)
72	12-10-15/14-10-15/15-10-15	Tutorial(G3/G2/G1)

Text Books: 1.Data Communications and Networking: Behrouz A Forouzan IV edition.
2.Computer Networks – Andrew Tanenbaum 4th edition Pearson education.

Name: K.Shirisha

Signature of Faculty:

HOD CSE