

Faculty: Ch. Chandra Sekhar

Class: III B.Tech - IT - 2014-15

Subject: Computer Networks

LESSON PLAN

Year: 2014-15

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
3	26-08-14	<u>Introduction:</u> Data Communication:	I	CR		
		Components,	"	CR		
		Data Representation,	"	CR		
7	27-08-14	Data Flow:	"	CR		
		Networks:	"	CR		
		Distributed Processing,	"	CR		
		Network Criteria,	"	CR		
		physical Structures,	"	CR		
7	28-08-14	Network Models,	"	CR		
		Categories of network,	"	CR		
		Interconnection of Networks.	"	CR		
8	28-08-14	The Internet:	"	CR		
		A Brief History,	"	CR		
		The Internet Today.	"	CR		
8	29-08-14	Protocols and Standards:	"	CR		
		Protocols, Standards,	"	CR		
		Std org, Internet Std.	"	CR		
3	02-09-14	Layered Tasks:	"	PPT		
		sender, Receiver, Carrier,	"	PPT		
		Hierarchy.	"	PPT		

LESSON PLAN

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7	02-09-14	The OSI Model:	<u>I</u>	PPT		
		Layered Architecture,	"	CR		
		Peer-to-Peer Protocols,	"	CR		
		Encapsulation.	"	CR		
7	04-09-14	Layers in OSI Model:	"	CR		
8	04-09-14	TCP/IP Protocol Suite:	"	CR		
8	05-09-14	Addressing: physical,	"	CR		
		logical, port, specific addresses.	"	CR		
		Review about Unit-I.	"	CR		
3	09-09-14	Physical Layer and Switching:	<u>II</u>	CR		
		Multiplexing:	"	CR		
7	10-09-14	Frequency Division Multiplexing	"	CR		
7	10-09-14	Wavelength Division " ,	"	CR		
7	11-09-14	Synchronous Time Division "	"	CR		
8	11-09-14	Statistical " " " ,	"	CR		
8	12-09-14	Intro. to Switching:	"	CR		
		Circuit-switched Networks,	"	CR		
3	16-09-14	Datagram Networks	"	CR		
		Virtual Circuit Networks	"	CR		
7	17-09-14	Review about Unit-II.	"	CR		

LESSON PLAN

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7	12-09-14	Framing: Fixed-Size	III	CR		
8	13-09-14	and Variable-Size Framing	"	CR		
8	19-09-14	Flow and Error Control	"	CR		
		Block Coding: Error	"	PPT		
		Detection and Error Correction.	"	PPT		
3	23-09-14	Linear Block Codes	"	PPT		
		Cyclic codes: Cyclic	"	PPT		
		Redundancy check,	"	PPT		
		H/W Imp, polynomials,	"	PPT		
		Cyclic Code Analysis: Advantages	"	PPT		
7	24-09-14	Checksum: Idea,	"	CR		
		is complement, Internet checksum,	"	CR		
		Services provided to N/w layer	"	CR		
7	25-09-14	Elementary Datalink Layer Protocols:	"	CR		
		Unrestricted simplex protocol,	"	CR		
		Simplex Stop-and-wait protocol,	"	PPT		
8	25-09-14	Simplex protocol for	"	CR		
		Noisy channel.	"	CR		
8	26-09-14	Diff b/w Noisy & Noiseless	"	CR		
		Review about Unit-III	"	CR		

LESSON PLAN

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3	07-10-14	Sliding Window Protocol	<u>IV</u>	PPT		
		ack bit, Go back N, Selective Repeat,	"	PPT		
7	08-10-14	stop & Wait protocol, DLL.	"	PPT		
7	09-10-14	HDLC: Configuration	"	CR		
		and transfer modes, frames,	"	CR		
		Control field, point-to-point protocol.	"	CR		
8	09-10-14	PPP: framing, transition	"	CR		
		phase, multiplexing, multilink PPP.	"	CR		
8	10-10-14	Review abt Unit- <u>IV</u>	"	CR		
3	21-10-14	Random Access:	<u>V</u>	CR		
		ALOHA,	"	CR		
7	22-10-14	CSMA,	"	CR		
8	24-10-14	CSMA/CD & CSMA/CA.	"	CR		
3	28-10-14	Controlled Access:	"	CR		
7	29-10-14	Reservation, Polling,	"	CR		
		Token Passing.	"	CR		
7	30-10-14	Channelization: FDMA,	"	CR		
8	30-10-14	TDMA,	"	CR		
		CDMA.	"	CR		
3	31-10-14	Review abt Unit- <u>V</u>	"	CR		

LESSON PLAN

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7	05-11-19	IEEE Standards:	<u>VI</u>	CR		
		DLT, PL,	"	CR		
7	06-11-19	Manchester encoding	"	CR		
8	06-11-19	Std. Ethernet:	"	PPT		
		MAC Sublayer, PL.	"	PPT		
8	07-11-19	Fast Ethernet:	"	PPT		
		MAC Sublayer, PL.	"	PPT		
3	11-11-19	IEEE-802-11: Architecture,	"	PPT		
		MAC Sub layer, Addressing	"	CR		
		mechanism, frame structure	"	CR		
5	12-11-19	Review abt Unit- <u>VI</u>	"	CR		
7	13-11-19	Blue tooth:	<u>VII</u>	CR		
		Architecture, Bluetooth	"	PPT		
8	13-11-19	Layers, protocol stack,	"	PPT		
8	15-11-19	Frame structure,	"	CR		
3	15-11-19	Cellular Telephony:	"	CR		
7	19-11-19	Frequency-Reuse Principal,	"	CR		
7	20-11-19	Transmitting, Receiving,	"	CR		
8		Roaming.	"	CR		
8	21-11-19	Satellite Networks:	"	CR		

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