

ST.ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY :CHIRALA
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Subject:Data Communication

Academic Year:2017-18

Branch:CSE

Year & Sem: III/I

Sec : B

Faculty Name: B P V SUBBARAO

No. of Lectures per Week: 4+1* (Tutorial)

S.NO	DATE	UNIT	TOPIC
1	12-06-2017	UNIT-1	INTRODUCTION TO DATA COMMUNICATIONS AND NETWORKING
2	14-06-2017		Standards Organizations for DataCommunications,
3	15-06-2017		Layered Network Architecture
4	16-06-2017		Open Systems Interconnection
5	17-06-2017		Data Communications Circuits,erial and parallel Data Transmissions
6	19-06-2017		Data communications Networks, Alternate Protocol Suites
7	21-06-2017		Tutorial
8	22-06-2017		Signal Analysis, Electrical Noise and Signal-to-Noise Ratio,
9	23-06-2017		Analog Modulation Systems,Information Capacity,
10	24-06-2017		Bits, Bit Rate, Baud, and M-ary Encoding
11	28-06-2017		Tutorial
12	29-06-2017		Digital Modulation
13	30-06-2017		PPT on unit-1
14	01-07-2017		sliptest-1
15	03-07-2017	UNIT-2	Transverse Electromagnetic Waves, Characteristics of Electromagnetic Waves
16	05-07-2017		Tutorial
17	06-07-2017		Advantages of Optical Fiber cables, Disadvantages of Optical Fiber Cables
18	07-07-2017		Electromagnetic spectrum, Optical Fiber Communications System Block Diagram, Optical Fiber construction
19	10-07-2017		Propagation of Light Through an Optical fiber Cable,
20	12-07-2017		Tutorial
21	13-07-2017		Optical Fiber Modes and Classifications
22	14-07-2017		Optical Fiber Comparison,Losses in Optical Fiber Cables
23	15-07-2017		Light sources, Light Detectors
24	17-07-2017		Lasers
25	19-07-2017		Tutorial
26	20-07-2017	sliptest-2	
27	21-07-2017	UNIT-3	Pulse Modulation,Pulse code Modulation
28	22-07-2017		Dynamic Range, Signal Voltage –to-Quantization Noise Voltage Ratio
29	24-07-2017		Linear Versus Nonlinear PCM Codes, .Companding
30	26-07-2017		Tutorial
31	27-07-2017		PCM Line Speed, Delta Modulation PCM and Differential PCM
32	28-07-2017		Time- Division Multiplexing,
33	29-07-2017		Digital Line Encoding
34	31-07-2017		T Carrier systems Frequency- Division Multiplexing
35	02-08-2017		Tutorial
36	03-08-2017		Wavelength- Division Multiplexing,
37	04-08-2017		SynchronousOptical Network
38	05-08-2017		T1 Digital Carrier System
39	07-08-2017		Mid-1
40	09-08-2017		Mid-1
41	10-08-2017		Mid-1
42	11-08-2017		Mid-1
43	12-08-2017	Mid-1	

44	16-08-2017	UNIT-4	Tutorial	
45	17-08-2017		WIRELESS COMMUNICATIONS SYSTEMS	
46	18-08-2017		Electromagnetic Polarization	
47	19-08-2017		Electromagnetic Radiation	
48	21-08-2017		Optical Properties of Radio Waves	
49	23-08-2017		Tutorial	
50	24-08-2017		Terrestrial Propagation of Electromagnetic Waves,	
51	28-08-2017		Satellite Communications Systems	
52	30-08-2017		Tutorial	
53	31-08-2017		Skip Distance,Free-Space Path Loss	
54	01-09-2017		Microwave Communications Systems	
55	04-09-2017		slip test-4	
56	06-09-2017		UNIT-5	Tutorial
57	07-09-2017			The Subscriber Loop, Standard Telephone Set, Basic Telephone Call Procedures
58	08-09-2017	Call Progress Tones and Signals, Cordless Telephones		
59	09-09-2017	Caller ID, Electronic Telephones, Paging systems		
60	11-09-2017	First- Generation Analog Cellular Telephone, Personal Communications system		
61	13-09-2017	Tutorial		
62	14-09-2017	Second-Generation Cellular Telephone Systems, N-AMPS		
63	15-09-2017	Digital Cellular Telephone,		
64	16-09-2017	Global system for Mobile Communications		
65	18-09-2017	Interim Standard-95		
66	20-09-2017	Tutorial		
67	21-09-2017	UNIT-6	Data Communications Character Codes,Bar Codes, Error Control	
68	22-09-2017		Error Detection and Correction Character Synchronization	
69	23-09-2017		Digital Service Unit and Channel Service Unit	
70	25-09-2017		Voice- Band Data Communication Modems, Bell Systems-Compatible voice- Band Modems	
71	27-09-2017		Tutorial	
72	04-10-2017		Voice- Band Modem Block Diagram,Voice- Band Modem Classifications	
73	05-10-2017		Asynchronous Voice-Band Modems, Synchronous Voice-Band Modems	
74	06-10-2017		Modem Synchronization, 56K ModemsModem Control:	
75	07-10-2017		The AT Command Set, Cable Modems	
76	09-10-2017	Mid-II	Mid-II	
77	11-10-2017		Mid-II	
78	12-10-2017		Mid-II	
79	13-10-2017		Mid-II	
80	14-10-2017		Mid-II	

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12-06-2017 Monday	1	0	1
14-06-2017 Wednesday	2	0	1
15-06-2017 Thursday	3	0	1
16-06-2017 Friday	4	0	1
17-06-2017 Saturday	5	0	1
19-06-2017 Monday	6	0	1
21-06-2017 Wednesday	7	0	1
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23-06-2017 Friday	9	0	1
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28-06-2017 Wednesday	11	0	1
29-06-2017 Thursday	12	0	1
30-06-2017 Friday	13	0	1
01-07-2017 Saturday	14	0	1
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05-07-2017 Wednesday	16	0	1
06-07-2017 Thursday	17	0	1
07-07-2017 Friday	18	0	1
10-07-2017 Monday	19	0	1
12-07-2017 Wednesday	20	0	1
13-07-2017 Thursday	21	0	1
14-07-2017 Friday	22	0	1
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26-07-2017 Wednesday	30	0	1
27-07-2017 Thursday	31	0	1
28-07-2017 Friday	32	0	1
29-07-2017 Saturday	33	0	1
31-07-2017 Monday	34	0	1
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03-08-2017 Thursday	36	0	1
04-08-2017 Friday	37	0	1
05-08-2017 Saturday	38	0	1
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09-08-2017 Wednesday	40	0	1
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12-08-2017 Saturday	43	0	1
16-08-2017 Wednesday	44	0	1

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18-08-2017 Friday	46	0	1
19-08-2017 Saturday	47	0	1
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23-08-2017 Wednesday	49	0	1
24-08-2017 Thursday	50	0	1
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31-08-2017 Thursday	53	0	1
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06-09-2017 Wednesday	56	0	1
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18-09-2017 Monday	65	0	1
20-09-2017 Wednesday	66	0	1
21-09-2017 Thursday	67		66
22-09-2017 Friday	68		
23-09-2017 Saturday	69		
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27-09-2017 Wednesday	71		
04-10-2017 Wednesday	72		
05-10-2017 Thursday	73		
06-10-2017 Friday	74		
07-10-2017 Saturday	75		
09-10-2017 Monday	76		
11-10-2017 Wednesday	77		
12-10-2017 Thursday	78		
13-10-2017 Friday	79		
14-10-2017 Saturday	80		

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