

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF ENGINEERING & TECHNOLOGY, BARGARH



PROGRESS REGISTER Session-2021-2022

Discipline: CS6 Engg. Semester: 4th (DCCN)

Name of the Teaching Faculty: P. K. Satapathy.

Subject: DCCN No. of Days/per week class allotted 04

Semester From Date : 10/03/22 To Date : 30/06/22 No. of Weeks : 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
10/3/22	concept of Data communication	concept of Data communication	Components, fundamental characteristics	Pu
11/3/22	Networks	Networks	Bus, Ring, star	Pu
14/3/22	Protocols	Protocols	Definition, types, examples	Pu
15/3/22	Architecture	Architecture	Need, timing, syntax, semantics.	Pu
17/3/22	Standards	Standards	OSI Ref. model, TCP/IP	Pu
21/3/22	OSI	OSI	model, characteristics, Diagram,	Pu
24/3/22	TCP/IP	TCP/IP	model, functions, Layer	Pu
25/3/22	Comparison OSI & TCP/IP.	Comparison OSI & TCP/IP.	Brief Comparison.	Pu
28/3/22	Data transmission concepts.	Data transmission concepts	Guided, unguided, others	Pu
29/3/22	Diagram & terminology	Diagram & terminology	Simplex, half, full duplex	Pu
31/3/22	Analog Data transmission	Analog Data transmission	meaning, examples	Pu

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Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
4/4/22	Digital Data transmission	Digital Data transmission	meaning, examples	Ref
5/4/22	Transmission Impairments	Impairments	causes	Ref
7/4/22	channel capacity	channel capacity	Data rate, Bandwidth, Noise	Ref
8/4/22	Transmission media	Transmission media.	Guided, Unguided	Ref
11/4/22	Guided & Unguided transmission	Guided & Unguided transmission	Coaxial, Radio, fiber, wave, twisted	Ref
12/4/22	Data encoding	Data encoding	Definition, types, examples	Ref
18/4/22	Concept of digital M/w	digital data	Basic Concepts	Ref
19/4/22	Digital Data & signal	Digital signal	Concepts	Ref
21/4/22	Diagrammatic expln of data	Diagrammatic expln of digital data	Brief of diagram	Ref
22/4/22	Expln of digital Data.	Explanation	types, examples, diagram	Ref
25/4/22	Analog data, digital signal	Analog data digital signal	Sampling, quantization, encoding	Ref

Subject: DECM No. of Days/per week class allotted 04

Semester From Date : 10/3/22 To Date : 30/06/22 No. of Weeks : 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
26/4/22	Analog data Analog signal	Analog data Analog signal	AM, FM, PM	Pu
28/4/22	Comparison betn Analog & Digital	comparison betn Analog & Digital	Brief Comparison	Pu
29/4/22	Asynchronous & Synchronous Transmissions	Asyn & Synchronous transmission	start, stop, bit bit	Pu
2/5/22	Error detection	Error detection	Techniques, Parity check	Pu
5/5/22	Line configuration	Line configuration	Point to Point	Pu
8/5/22	Flow control	Flow control	Stop & wait protocol	Pu
9/5/22	Error control	Error control.	Detection Acknowledgment	Pu
10/5/22	multiplexing	multiplexing	Concept, Advantages, Diagram	Pu
12/5/22	FDM & TDM	FDM & TDM	need, Diagram.	Pu
13/5/22	Statistical TDM	Statistical TDM	Advantages, Disadvantages	Pu
17/5/22	circuit switching M/W	Circuit switching, M/W	three phase	Pu

Subject: DCCN No. of Days/per week class allotted 04

Semester From Date : 10/3/22 To Date : 30/6/22 No. of Weeks : 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
19/5/22	Packet Switching N/W	Packet Switching N/W	Pkt & cat switching Data xfer.	Rh
20/5/22	X-25 N/W	X-25 N/W	Physical, Link, packet.	Rh
23/5/22	X-25 Diagrammatic Expln	X-25 diagrammatic Expln	SVC's PVC's	Rh
24/5/22	Routing in Packet switching	Routing in Packet switching	characteristics, strategies	Rh
26/5/22	Congestion	Congestion	causes, Definition, jitter.	Rh
27/5/22	effect of Congestion	effect of congestion	Problem Function	Rh
31/5/22	Congestion control	Congestion control	open loop closed Loop	Rh
2/6/22	Traffic management	Traffic management	fairness, QoS, Reservations	Rh
3/6/22	Congestion control in PSN	Congestion control in PSN	examples	Rh
5/6/22	Topology	Topology	Choice of topology	Rh
7/6/22	Transmission media	Transmission media	Wiring Layout, MAE	Rh

Subject: DECA No. of Days/per week class allotted 04Semester From Date : 10/3/22 To Date : 30/6/22 No. of Weeks : 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
7/6/22	LAN Protocol Architecture	LAN Protocol Arch.	Encoding, decoding	Rh
10/6/22	MAC	MAC	MAC, LLC	Rh
13/6/22	Bridges	Bridges	Readability, Performance, Security.	Rh
16/6/22	Hub	Hub	Passive Hub, Active Hub, Intelligent Hub	Rh
17/6/22	Switch	Switch.	store & forward	Rh
20/6/22	CSMA/CD	CSMA/CD	1-persistent CSMA, P-persistent	Rh
21/6/22	Fiber channel	Fiber channel	FC-0, FC-4, FC-1, FC-3	Rh
23/6/22	Tcp segment format	format	functions of each component	Rh
24/6/22	Ip operations & features	Ip features	Ip uses & Application	Rh