

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF ENGINEERING & TECHNOLOGY, BARGARH



LESSON PLAN Session-2024-2025

Semester: 4th Discipline: Computer Science and Engg.

Subject: DCCN

Name of the Teaching Faculty: Snehashish Dash Mahapatra

Subject: DCCN No. of Days/per week class allotted : 4

Semester From Date : 04/02/25 To Date: 17/5/25 No. of Weeks : 15

Week	Class Day	Theory /Practical Topics
	Day 1	Concept of data Communication
1	Day 2	Network
	Day 3	Protocols
	Day 4	Architecture
	Day 1	Standards
2	Day 2	OSI
	Day 3	ICP/IP
	Day 4	OSI and TCP/IP
	Day 1	Data Transmission.
3	Day 2	Diagram
	Day 3	Analog Data Transmission
	Day 4	Digital Data Transmission


Signature of the Faculty

Subject: DEEN No. of Days/per week class allotted : 4

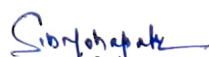
Semester From Date : 04/02/25 To Date: 17/5/25 No. of Weeks : 15

Week	Class Day	Theory /Practical Topics
	Day 1	Transmission Impairments
4	Day 2	Channel Capacity
	Day 3	Transmission Method.
	Day 4	Guided and Unguided Transmission.
	Day 1	Data Encoding
5	Day 2	Concept of Digital Data.
	Day 3	Digital Signal
	Day 4	Explanation of Digital Data. (Diagram)
	Day 1	Diagrammatic Explanation of Digital Signal.
6	Day 2	Analog Data digital signal.
	Day 3	Analog data Analog signal.
	Day 4	Comparison between Analog and Digital

Subject: DCCN No. of Days/per week class allotted : 4

Semester From Date : 04/02/25 To Date: 17/5/25 No. of Weeks : 15

Week	Class Day	Theory /Practical Topics
	Day 1	Synchronous and Asynchronous Transmission
7	Day 2	Error detection
	Day 3	Cine Configuration
	Day 4	Flow control
	Day 1	Error control
8	Day 2	Multiplexing
	Day 3	FDM, Synchronous TDM.
	Day 4	Statistical TDM.
	Day 1	Circuit Switching Network.
9	Day 2	x.25 Network
	Day 3	x.25 Network controller
	Day 4.	Packet Switching Networks


Signature of the Faculty

Subject: DCCN No. of Days/per week class allotted : 4

Semester From Date : 04/02/25 To Date: 17/5/25 No. of Weeks : 15

Week	Class Day	Theory /Practical Topics
	Day 1	Routing in Packet Switching Networks.
10	Day 2	Congestion
	Day 3	Effect of congestion
	Day 4.	Congestion Control.
	Day 1	Traffic Management.
11	Day 2	Congestion control in PSN.
	Day 3	Topology.
	Day 4	Transmission media.
	Day 1	CAN Protocol Architecture.
12	Day 2	MAC
	Day 3	Bridges
	Day 4	Hub

Sorjohapat
Signature of the Faculty

Subject: DCN No. of Days/per week class allotted : 4

Semester From Date : 04/02/21 To Date: 17/5/21 No. of Weeks : 15

Week	Class Day	Theory /Practical Topics
	Day 1	Switch
13	Day 2	CSMA/CD
	Day 3	Fiber channel.
	Day 4	Wireless LAN Technology.
	Day 1	TCP/IP Protocol Switch.
14	Day 2	TCP Segment format
	Day 3	IP Segment Format
	Day 4	Application of TCP/IP
	Day 1	Protocol Formation.
15	Day 2	Principle of Internetworking.
	Day 3	IP Operators.
	Day 4.	IP features.


Signature of the Faculty