

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF
ENGINEERING & TECHNOLOGY, BARGARH



LESSON PLAN
Session-2023-2024

Discipline: Computer Sc-2 Engg. Semester: 4th.

Subject: DCCN.

Name of the Teaching Faculty: ASHIS Behara

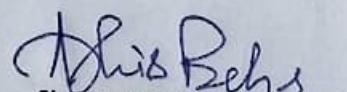
Subject: DCCN. No. of Days/per week class allotted : 04Semester From Date : 16-01-2024 To Date : 26-04-2024No. of Weeks : 15

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	ICPIIP.
	Day 4	OSI & TCP/IP
	Day 1	Data Transmission concept.
3	Day 2	Diagram.
	Day 3	Analog Data Transmission.
	Day 4	Digital Data Transmission.

Shis Behe
Signature of the Faculty

Subject: DCCN. No. of Days/per week class allotted : 04Semester From Date : 16-01-2024 To Date : 26-04-2024 No. of Weeks : 15

Week	Class Day	Theory / Practical Topics
	Day 1	Transmission impairments.
4	Day 2	Channel Capacity.
	Day 3	Transmission media.
	Day 4	Guided & 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 & Digital.


 Signature of the Faculty

Subject: DCCN No. of Days/per week class allotted : 09Semester From Date : 16-01-2024 To Date : 26-04-2024No. of Weeks : 15

Week	Class Day	Theory / Practical Topics
	Day 1	Synchronous and Asynchronous Transmission
7	Day 2	Error detection
	Day 3	Line 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 N/W.
9	Day 2	X-25 N/W
	Day 3	X-25 N/W cont.
	Day 4	Packet Switching N/W.

Abhishek
Signature of the Faculty

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

Semester From Date : 16-01-2024 To Date : 26-04-2024 No. of Weeks : 15

Week	Class Day	Theory /Practical Topics
	Day 1	Routing on Packet switching N/w.
10	Day 2	congestion.
	Day 3	effect of congestion.
	Day 4	congestion control,
	Day 1	Traffic mgmt.
11	Day 2	congestion control on PSN.
	Day 3	Topology.
	Day 4	Transmission media
	Day 1	LAN Protocol Architecture.
12	Day 2	MTAe
	Day 3	Bridges
	Day 4	HUB.

Alis Rehman
Signature of the Faculty

Subject: DCCN. No. of Days/per week class allotted : 04Semester From Date : 16-01-2024 To Date : 26-04-2024No. 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 LAN Technology.
	Day 1	TCP/IP Protocol Suite.
14	Day 2	TCP segment format.
	Day 3	IP segment format.
	Day 4	Applications of TCP/IP
	Day 1	Protocol Formatting.
15	Day 2	Principle of Internetworking.
	Day 3	IP operations.
	Day 4	IP features.

Shri Behra
Signature of the Faculty