

Bhubanananda Orissa School of Engineering

Lesson Plan

Discipline: AE&I	Semester: 4 th	Name of the Teaching Faculty: PRAFULLA KUMAR PANDA
Subject: DCCN	No of Days/per week class allotted: 4	Semester from 16/01/2024 to 26/04/2024 No of weeks:
Week No.	Class Day MON,TUE,THU	Theory Topics
1	16/01/2024	Introduction of the Subject and Syllabus discussion.
2	29/01/2024	Unit-1. Network& Protocol 1.1 Data Communication
	30/01/2024	1.2 Networks
3	1/02/2024	1.3 Protocol & Architecture, Standards, OSI, TCP/IP
	1/02/2024	Chapter 1 Revision, Previous years questions discussion.
4	5/02/2024	Unit-2. Data Transmission & Media 2.1 Data transmission Concepts and Terminology
	6/02/2024	2.2 Analog and Digital Data transmission
	8/02/2024	2.3 Transmission impairments, Channel capacity
	8/02/2024	2.4 Transmission media, Guided Transmission, Wireless Transmission
5	12/02/2024	Chapter 2 Revision, Previous year's questions discussion.
	13/02/2024	CLASS TEST-1
	15/02/2024	Unit-3. Data Encoding 3.1 Data encoding,
	15/02/2024	3.2 Digital data digital signals,
6	19/02/2024	3.3 Digital data analog signals
	20/02/2024	3.4 Analog data digital signals
	22/02/2024	3.5 Analog data analog signal
	22/02/2024	Chapter 3 Revision, Previous year's questions discussion.
7	26/02/2024	Unit-4. Data Communication & Data link control 4.1 Asynchronous and Synchronous Transmission
	27/02/2024	4.2 Error Detection
	29/02/2024	4.3 Line configuration
	29/02/2024	4.4 Flow Control,
	4/03/2024	4.5 Error Control

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	5/03/2024	4.6 Multiplexing
	7/03/2024	4.7 FDM synchronous TDM
	7/03/2024	4.8 Statistical TDM
10	11/03/2024	Chapter 4 Revision, Previous years questions discussion.
	12/03/2024	INTERNAL-1
	14/03/2024	Unit-5. Switching & Routing 5.1 Circuit Switching networks
	14/03/2024	5.2 Packet Switching principles
11	18/03/2024	5.3 X.25
	19/03/2024	5.4 Routing in Packet switching
	21/03/2024	5.5 Congestion
	21/03/2024	5.6 Effects of congestion, congestion control
12	26/03/2024	5.7 Traffic Management
	28/03/2024	5.8 Congestion Control in Packet Switching Network
	28/03/2024	Chapter 5 Revision, Previous years questions discussion.
13	1/04/2025	Unit-6. LAN Technology 6.1. Topology and Transmission Media
	2/04/2025	6.2 LAN protocol architecture
	4/04/2025	CLASS TEST-2
	4/04/2025	6.3. Medium Access control
14	8/04/2025	6.4 Bridges, Hub, Switch
	9/04/2025	6.5 Ethernet (CSMA/CD), Fiber Channel

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	11/04/2025	6.6 Wireless LAN Technology..
	11/04/2025	Chapter 6 Revision, Previous years questions discussion.
15	15/04/2025	Unit-7. TCP/IP 7.1 TCP/IP Protocol Suite
	16/04/2025	7.2 Basic Protocol functions
	18/04/2025	7.3 Principles of Internetworking
	18/04/2025	7.3 Internet Protocol operations
16	22/04/2025	7.4 Internet Protocol
	23/04/2024	Chapter 7 Revision, Previous years questions discussion.
	25/25	OVERALL PREVIOUS YEARS QUESTIONS DISCUSSION

prafulla kumar penala

Signature of Faculty

HOD, AE&I

Academic Coordinator

Principal

BHUWANANANDA ORISSA SCHOOL OF ENGINEERING
CUTTACK-ESTD.1923

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