

# Bhubanananda Orissa School of Engineering

## Lesson Plan

Discipline:E&TC	Semester:4 <sup>th</sup>	Name of the Teaching Faculty:Jyoti Prakash Behura
Subject: Data Communication and Computer Network	No of Days/per week class allotted:4	Semester from10.03 2022 to10.06.2022 No of weeks:14
Week No.	Class Day MON,WED,THU,FRI	Theory Topics
1 <sup>st</sup>	10-03-2022	Introduction of the Subject and Syllabus discussion.
	11-03-2022	Unit-1.Network & Protocol 1.1 Data Communication
2 <sup>nd</sup>	14-03-2022	1.2 Networks
	16-03-2022	1.3 Protocol & Architecture Standards OSI
	17-03-2022	Architecture Standards TCP/IP
3 <sup>rd</sup>	21-03-2022	Unit-2.DataTransmission&Media 2.1 Data transmission Concepts and Terminology
	23-03-2022	2.2 Analog and Digital Data transmission
	24-03-2022	2.3 Transmission impairments, Channel capacity
	25-03-2022	2.4Transmissionmedia, Guided Transmission
4 <sup>th</sup>	28-03-2022	Wireless Transmission
	30-03-2022	Unit-3.DataEncoding 3.1Dataencoding
	31-03-2022	3.2 Digital data digital signals, 3.3 Digital data analog signals
5 <sup>th</sup>	4-04-2022	3.4 Analog data digital signals 3.5 Analog data analog signals
	6-04-2022	<b>Revision</b>
	7-04-2022	Unit-4.Data Communication & Data link control 4.1Asynchronous and Synchronous Transmission
	8-04-2022	4.2Error Detection



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6 <sup>th</sup>	11-04-2022	4.3 Line configuration
	13-04-2022	4.4 Flow Control. 4.5 Error Control
7 <sup>th</sup>	18-04-2022	4.6 Multiplexing
	20-04-2022	4.7 FDM synchronous TDM
	21-04-2022	4.8 Statistical TDM
	22-04-2022	<b>Revision</b> <b>Class Test -I</b>
8 <sup>th</sup>	25-04-2022	Unit-5. Switching & Routing 5.1 Circuit Switching networks
	27-04-2022	5.2 Packet Switching principles
	28-04-2022	5.3 X.25
	29-04-2022	5.4 Routing in Packet switching
9 <sup>th</sup>	02-05-2022	5.5 Congestion
	04-05-2022	5.6 Effects of congestion, congestion control
	05-05-2022	5.7 Traffic Management
	06-05-2022	5.8 Congestion Control in Packet Switching Network.
10 <sup>th</sup>	09-05-2022	<b>Revision</b>
	11-05-2022	<b>INTERNAL-I</b>
	12-05-2022	Unit-6. LAN Technology 6.1 Topology and Transmission Media
	13-05-2022	6.2 LAN protocol architecture
11 <sup>th</sup>	16-05-2022	6.3 Medium Access control
	18-05-2022	6.4 Bridges, Hub, Switch
	19-05-2022	6.5 Ethernet (CSMA)
	20-05-2022	Ethernet (CD)
12 <sup>th</sup>	23-05-2022	Fiber Channel



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	25-05-2022	REVISION
	26-05-2022	CLASS TEST -II
	27-05-2022	Unit-7.TCP/IP Introduction
13 <sup>th</sup>	30-05-2022	7.1 TCP/IP Protocol Suite
	01-06-2022	7.2 Basic Protocol functions
	02-06-2022	Basic Protocol functions
	03-06-2022	7.3 Principles of Internet working
14 <sup>th</sup>	06-06-2022	7.4 Internet Protocol
	08-06-2022	Revision
	09-06-2022	Internal-II
	10-06-2022	Questions Discussion

*Jyoti Prakash Redina.*  
Signature of Faculty

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HOD, E&TC

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Academic Coordinator

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Principal

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