SYNERGY SCHOOL OF ENGINEERING,DHENKANAL
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

LESSON PLAN

Discipline: CSE	Semester:4TH	Name of the Teaching Faculty: Jayanta Kumara Behera
		Subject Code:Th.2
Subject: DCCN	No. Of Days/Week	Semester From Date:04/02/2025
	Class Allotted:60	To Date: 17/05/2025
		No.OfWeeks:15

Week	Class Day	Theory Topics
1st	1st	**Network &Protocol** Data Communication
	2nd	Networks
	3rd	Protocol &Architecture, Standards
	4th	OSI Model
2nd	1st	OSI continued.
	2nd	TCP/IP protocol suite
	3rd	TCP/IP protocol suite cont...
	4th	**REVISION**
3rd	1st	**Data Transmission & Media** Data transmission Concepts and Terminology
	2nd	Analog and Digital Data transmission
	3rd	Transmission impairments, Channel capacity
	4th	Transmission media, Guided Transmission
4th	1st	Guided Transmission continued..., Wireless Transmission
	2nd	Wireless Transmission contd...
	3rd	**Question Answer discussion**
	4th	ASSIGNMENT EVALUATION

5th	1st	**Data Encoding** What is Data encoding,
	2nd	Types of data encoding, Digital data digital signals
	3rd	Digital data analog signals
	4th	Analog data digital signals
6th	1st	Analog data analog signals
	2nd	Analog data analog signals contd..
	3rd	**REVISION**
	4th	**Data Communication& Data link control** Asynchronous and Synchronous Transmission
7th	1st	Error detection
	2nd	Error Detection continued….
	3rd	L line configuration
	4th	Flow Control
8th	1st	Flow Control contd...
	2nd	Error Control
	3rd	Multiplexing
	4th	Multiplexing continued…
9th	1st	Synchronous TDM and Statistical TDM
	2nd	**REVISION**
	3rd	**MONTHLY CLASS TEST-1**
	4th	**Switching & Routing** Circuit Switching network
10th	1st	Circuit Switching networks continued…
	2nd	Packet Switching principles
	3rd	Packet Switching principles continued…
	4th	x.25

11th	1st	Routing in Packet switching	
	2nd	Congestion	
	3rd	Effects of congestion, congestion control	
	4th	Congestion control techniques	
12th	1st	Traffic Management contd…	
	2nd	Traffic Management	
	3rd	**DISCUSSION**	
	4th	**LAN Technology** LAN concept	
13th	1st	LAN protocol architecture	
	2nd	Medium Access control	
	3rd	MAC sub layer	
	4th	Ethernet(CSMA/CD)	
13th	1st	Fiber Channel	
	2nd	Bridges, Hub ,Switch	
	3rd	Wireless LAN Technology	
	4th	**MONTHLY TEST-2**	
14th	1st	**LAN Technology** TCP/IP Protocol Suite	
	2nd	Basic Protocol functions	
	3rd	Principles of Internetworking	
	4th	Internet Protocol	
15th	1st	Internet Protocol header format	
	2nd	**Quiz Test**	
	3rd	**REVISION**	
	4th	**PREVIOUS YEARQUESTION DISCUSSION**	

Prepared By:

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30/01/25

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(I.C. of. IT.OD)