



Aggarwal College Ballabgarh

LESSON PLAN
18 WEEKS (JULY-NOV)-2024

Name of Faculty: Poonam Jain
Designation/ Department: Computer Science

CLASS: Bsc cs	SEMESTER: 3	SECTION:
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SUBJECT: 3.1: Data Communication and Networking

WEEK	DATE	TOPIC TO BE COVERED
1	1-08-2024	
	2-08-2024	UNIT – I Introduction to Computer Communications
	3-08-2024	Networking Technologies
	4-08-2024	S. U. N. D. A. Y.
	5-08-2024	
	6-08-2024	Uses of Computer Networks, Types of Computer Networks and their Topologies
	7-08-2024	H.O.L.I. D. A. Y.
2	8-08-2024	
	9-08-2024	Network Devices, Nodes, and Hosts
	10-08-2024	Network Architecture
	11-08-2024	S. U. N. D. A. Y.
	12-08-2024	
	13-08-2024	The OSI Reference Model
	14-08-2024	
3	15-08-2024	H.O.L.I. D. A. Y.
	16-08-2024	TCP/IP reference model

	17-08-2024	Revision
	18-08-2024	S. U. N. D. A. Y.
	19-08-2024	H.O.L.I. D. A. Y.
	20-08-2024	Test
	21-08-2024	
4	22-08-2024	
	23-08-2024	Unit 2-Analog and Digital Communications: Concept of data, signal, channel, bid-rate , maximum data-rate of channel,
	24-08-2024	Representing Data as Analog Signals
	25-08-2024	S. U. N. D. A. Y.
	26-08-2024	HOLIDAY
	27-08-2024	Representing Data as Digital Signals
	28-08-2024	
5	29-08-2024	
	30-08-2024	Data Rate and Bandwidth, Capacity, Baud Rate
	31-08-2024	Asynchronous and synchronous transmission
	1-09-2024	S. U. N. D. A. Y.
	2-09-2024	
	3-09-2024	data encoding techniques
	4-09-2024	
6	5-09-2024	
	6-09-2024	Modulation techniques
	7-09-2024	Digital Carrier Systems
	8-09-2024	S. U. N. D. A. Y.

	9-09-2024	
	10-09-2024	Guided and Wireless Transmission Media
	11-09-2024	
7	12-09-2024	
	13-09-2024	Communication Satellites
	14-09-2024	Switching and Multiplexing
	15-09-2024	S. U. N. D. A. Y.
	16-09-2024	
	17-09-2024	Dialup Networking; Analog Modem Concepts
	18-09-2024	
8	19-09-2024	
	20-09-2024	Revision
	21-09-2024	Test
	22-09-2024	S. U. N. D. A. Y.
	23-09-2024	H.O.L.I. D. A. Y.
	24-09-2024	Unit 3-Data Link Layer: Framing, Flow Control
	25-09-2024	
9	26-09-2024	
	27-09-2024	Error Control; Error Detection and Correction
	28-09-2024	Media Access Control
	29-09-2024	S. U. N. D. A. Y.
	30-09-2024	
	1-10-2024	Random Access Protocols

	2-10-2024	HOLIDAY
10	3-10-2024	
	4-10-2024	HOLIDAY
	5-10-2024	Token Passing Protocols; Token Ring
	6-10-2024	S. U. N. D. A. Y.
	7-10-2024	
	8-10-2024	Introduction to Ethernet
	9-10-2024	
11	10-10-2024	
	11-10-2024	FDDI
	12-10-2024	HOLIDAY
	13-10-2024	S. U. N. D. A. Y.
	14-10-2024	
	15-10-2024	Wireless LANs
	16-10-2024	
12	17-10-2024	HOLIDAY
	18-10-2024	Network Layer and Routing Concepts:
	19-10-2024	Virtual Circuits and Datagram's
	20-10-2024	S. U. N. D. A. Y.
	21-10-2024	
	22-10-2024	Routing Algorithms
	23-10-2024	
13	24-10-2024	
	25-10-2024	Flooding, Shortest Path Routing

	26-10-2024	Distance Vector Routing; Internetworking
	27-10-2024	S. U. N. D. A. Y.
	28-10-2024	DIWALI BREAK
	29-10-2024	DIWALI BREAK
	30-10-2024	DIWALI BREAK
14	31-10-2024	DIWALI BREAK
	1-11-2024	DIWALI BREAK
	2-11-2024	DIWALI BREAK
	3-11-2024	S. U. N. D. A. Y.
	4-11-2024	
	5-11-2024	Revision
	6-11-2024	
15	7-11-2024	
	8-11-2024	Test
	9-11-2024	Test
	10-11-2024	ZONAL YOUTH FESTIVAL
	11-11-2024	ZONAL YOUTH FESTIVAL
	12-11-2024	ZONAL YOUTH FESTIVAL
	13-11-2024	
16	14-11-2024	
	15-11-2024	H.O.L.I.D.A.Y.
	16-11-2024	Unit 4-Transport layer: Elements of Transport protocol
	17-11-2024	S. U. N. D. A. Y.
	18-11-2024	

	19-11-2024	Addressing, Connection Establishment
	20-11-2024	
17	21-11-2024	
	22-11-2024	Flow Control, Buffering, Crash recovery
	23-11-2024	Internet Transport protocol: UDP
	24-11-2024	S. U. N. D. A. Y.
	25-11-2024	
	26-11-2024	Real time Transport protocol, Remote Procedure Call
	27-11-2024	
18	28-11-2024	
	29-11-2024	Application Layer: Domain Name System
	30-11-2024	Electronic Mail, World Wide Web
	1-12-2024	S. U. N. D. A. Y.
	2-12-2024	
	3-12-2024	Revision
	4-12-2024	
	5-12-2024	

Signature