

DAV CENTENARY COLLEGE FARIDABAD	
Summary of Lesson Plans of College Faculty	
Name of Asst/Associate Pr	Ms. Reena (A), Ms. Uttama(B),Ms. Maya(C)
Class & Section:	BCA-5th Semester
Subject:	Data Communication & Networking
Academic Session 2023-2024 Odd Sem	

	Date	Topics to be covered
Week 1	7/21/2023	Introduction to Computer Communications and Networking Technologies
	7/22/2023	Uses of Computer Networks
	7/23/2023	Sunday
	7/24/2023	Network Devices, Nodes, and Hosts
	7/25/2023	Contd.
	7/26/2023	Types of Computer Networks and their Topologies
	7/27/2023	Contd.
	7/28/2023	Network Design issues and Protocols
	7/29/2023	Connection-Oriented and Connectionless Services
WEEK 2	7/30/2023	Sunday
	7/31/2023	Contd.
	1/8/2023	Network Applications and Application Protocols
	2/8/2023	Contd.
	3/8/2023	Computer Communications and Networking Models
	4/8/2023	Contd.
WEEK 3	5/8/2023	Decentralized and Centralized Systems
	6/8/2023	Sunday
	7/8/2023	Distributed Systems
	8/8/2023	Client/Server Model
	9/8/2023	Peer-to-Peer Model
	10/8/2023	WebBased Model
	11/8/2023	Network Architecture and the OSI Reference Model
	12/8/2023	Contd.
WEEK 4	8/13/2023	Sunday
	8/14/2023	TCP/IP reference mode
	8/15/2023	Independence day
	8/16/2023	Example Networks: The Internet, X.25
	8/17/2023	Frame Relay, ATM.
	8/18/2023	Contd.
	8/19/2023	Analog and Digital Communications Concepts
WEEK 5	8/20/2023	Sunday
	8/21/2023	Concept of data, signal, channel, bid-rate
	8/22/2023	maximum data-rate of channel, Representing Data as Analog Signals
	8/23/2023	Contd.
	8/24/2023	Representing Data as Digital Signals
	8/25/2023	Contd.
	8/26/2023	Data Rate and Bandwidth, Capacity

WEEK 6	8/27/2023	Sunday
	8/28/2023	Baud Rate; Asynchronous and synchronous transmission
	8/29/2023	data encoding techniques
	8/30/2023	Rakhi
	8/31/2023	Contd.
	1/9/2023	Modulation techniques
	2/9/2023	Contd.
WEEK 7	3/9/2023	Sunday
	4/9/2023	Digital Carrier Systems; Guided and Wireless Transmission Media
	5/9/2023	Contd.
	6/9/2023	Jananashmti
	7/9/2023	Communication Satellites; Switching and Multiplexing
	8/9/2023	Contd.
	9/9/2023	Dialup Networking; Analog Modem Concepts
WEEK 8	10/9/2023	Sunday
	11/9/2023	Contd.
	12/9/2023	DSL Service.
	9/13/2023	Data Link Layer: Framing
	9/14/2023	Flow Control, Error Control
	9/15/2023	Contd.
	9/16/2023	Error Detection and Correction
WEEK 9	9/17/2023	Sunday
	9/18/2023	Contd.
	9/19/2023	Sliding Window Protocols
	9/20/2023	Media Access Control: Random Access Protocols,
	9/21/2023	Token Passing Protocols; Token Ring
	9/22/2023	Introduction to LAN technologies: Ethernet
	9/23/2023	Saheedi Diwas (Haryana Heros Martyrdom Day)
WEEK 10	9/24/2023	Sunday
	9/25/2023	switched Ethernet
	9/26/2023	VLAN, fast Ethernet
	9/27/2023	gigabit Ethernet, token ring
	9/28/2023	FDDI, Wireless LANs
	9/29/2023	Bluetooth
	9/30/2023	Network Layer and Routing Concepts
WEEK 11	1/10/2023	Sunday
	2/10/2023	Gandhi Jayanti
	3/10/2023	Contd.
	4/10/2023	Virtual Circuits and Datagrams
	5/10/2023	Contd.
	06.10.2023	Routing Algorithm
	07.10.2023	Flooding, Shortest Path Routing
WEEK 12	08.10.2023	Sunday
	09.10.2023	Contd.
	10.10.2023	Contd.
	11.10.2023	Distance Vector Routing
	12.10.2023	Link State Routing

	13.10.2023	Hierarchical Routing; Congestion Control Algorithms
	14.10.2023	Contd.
WEEK 13	15.10.2023	Sunday
	16.10.2023	Internetworking
	17.10.2023	Network Security Issues: Security threats
	18.10.2023	Internals examination
	19.10.2023	Internals examination
	20.10.2023	Internals examination
	21.10.2023	Internals examination
	22.10.2023	Sunday
WEEK 14	23.10.2023	Encryption Methods
	24.10.2023	Dusshera
	25.10.2023	Authentication; Symmetric – Key Algorithms
	26.10.2023	Contd.
	27.10.2023	Public-Key Algorithms
	28.10.2023	Contd.
WEEK 15	29.10.2023	Sunday
	30.10.2023	Revision of Unit-1
	31.10.2023	Contd.
	01.11.2023	Haryana Day
	02.11.2023	Revision of Unit2
	03.11.2023	Contd.
	04.11.2023	Revision of unit 3
WEEK 16	05.11.2023	Sunday
	06.11.2023	Contd.
	07.11.2023	Revision of unit 4
	08.11.2023	Contd.
	09.11.2023	Test-1
	10.11.2023	Diwali Break
	11.11.2023	Diwali Break
WEEK 17	12.11.2023	Diwali Break
	13.11.2023	Diwali Break
	14.11.2023	Diwali Break
	15.11.2023	Diwali Break
	16.11.2023	Diwali Break
	17.11.2023	Doubt Session
	18.11.2023	Doubt Session
WEEK 18	19.11.2023	Sunday
	20.11.2023	Doubt Session
	21.11.2023	Doubt Session
	22.11.2023	Doubt Session
	23.11.2023	Doubt Session
	24.11.2023	Doubt Session
	25.11.2023	Examinations