

LESSON PLAN

EVEN SEM (2022-2023)

Name of the Assistant Professor- Simranjeet Kaur

Department- Electronics & IT

Lesson Plan- 18 Weeks (01.02.2023- 18.05.2023)

Week	Date	B.Sc. (Hons.)-IT Sem- 2nd Paper: BSIT-206 Subject: Programming Techniques Days: T-W-S(3 Days)	B.Sc. (Hons.)-IT Sem- 4th Paper: BSIT-403 Subject: Telecommunications networking-II Days: Th-F-S (3 Days)	B.Sc. (Hons.)-IT Sem-6th Paper-BSIT- 602 Subject: Programming in C++-II Days: Th-F-S (3 Days)	B.Sc. -III(Hons.)-IT Sem-6th Paper: I Subject: Internet Concepts and Applications - II Days: M-T-W (3 Days)
1	01.02.2023	<u>Unit-1</u> Purpose of program planning			<u>Unit1</u> Computer security [an introduction]
	02.02.2023		<u>Unit-1</u> Network Devices: NIC	<u>Unit-1</u> Friend Functions	
2	03.02.2023		Repeaters, Hub, bridge	Friends to a Class	
	04.02.2023	Flowcharts: Meaning, Use, Symbols Used		Operator Overloading Concepts, Unary Operator Overloading	
	05.02.2023			SUNDAY	
	06.02.2023				cryptography
	07.02.2023	Levels of Flowcharts			data encryption standards definitions
	08.02.2023	Flowcharting rules, Advantages and limitations of Flowcharts			breaches of security
	09.02.2023		switch, gateways	Binary Operator Overloading	
3	10.02.2023		router	Relational Operator Overloading	
	11.02.2023	Decision tables	connectors and transceivers	Discussion on operator overloading	
	12.02.2023			SUNDAY	
	13.02.2023				security of measures

	14.02.2023	Pseudo code: Meaning			Classification of virus
	15.02.2023	Pseudo codes for Basic Logic (Control) Structures			prevention and cure
	16.02.2023		Network Design Issues and Protocols	Class Test	
4	17.02.2023		connection- oriented and connectionless services	Unit 2 Introduction to Class derivation	
	18.02.2023	Pseudo codes for Basic Logic (Control) Structures	Doubt Session	Inheritance Introduction	
	19.02.2023	SUNDAY			
	20.02.2023				Cookies[basic idea]
	21.02.2023	Advantages and Limitations of Pseudo Codes			Doubt Sesion
	22.02.2023	Doubt Session on Unit-1			Class test
	23.02.2023		Class Test	Derivation specification	
	5	24.02.2023		Transmission Media: Introduction	Public , protected and private base classes
25.02.2023		Class Test	Guided Media: Twisted pair	Single Inheritance, Multilevel Inheritance,	
26.02.2023		SUNDAY			
27.02.2023					Unit-II Multimedia concepts
28.02.2023		<u>Unit2</u> Introduction to Computer problem-solving aspect			Multimedia design considerations
01.03.2023		Algorithms: its meaning and Assignment of Unit 1			Performance and Size
02.03.2023			Coaxial cable	Multiple Inheritance, Hierarchical Inheritance, Hybrid Inheritance	
6		03.03.2023		Optical fiber	Class scope under derivation
	04.03.2023	Representation of Algorithm	Unguided media: Microwave	Inheriting operator functions Assignment of Unit 1	
	05.03.2023	SUNDAY			

	06.03.2023	HOLI Vacations				
	07.03.2023					
	08.03.2023					
	09.03.2023					
7	10.03.2023	SUNDAY				
	11.03.2023					
	12.03.2023	SUNDAY				
	13.03.2023					
	14.03.2023	Top down Design Implementation of algorithms				Conferencing concepts
	15.03.2023	Program Verifications				Doubt Session
	16.03.2023		Radio frequency propagation	Class Test		
8	17.03.2023		Satellite	Unit 3 Virtual functions, virtual base class		
	18.03.2023	Efficiency of Algorithms	Doubt Sesion	Polymorphism & its types		
	19.03.2023	SUNDAY				
	20.03.2023				Unit 3 E- commerce: Meaning and Types	
	21.03.2023	Analysis of Algorithm			Evaluation	
	22.03.2023	Doubt Session on Unit-II			Types of sites	
	23.03.2023	HOLIDAY				
9	24.03.2023		UNIT-2 Evolution and Challenges of Wireless Networks:	Template class definition		
	25.03.2023	Test of Unit-II	Cellular Networks	Instantiation and specialization: its static members		
	26.03.2023	SUNDAY				
	27.03.2023				Selling via secure servers interacting with customers	
	28.03.2023	Unit 3 Introduction to Fundamental Algorithms			EDI	
	29.03.2023	Summation of a set of numbers,		Class test	EDI	

		Factorial computation				
	30.03.2023	HOLIDAY				
10	31.03.2023		Call Set up, Frequency Reuse	Doubt Session		
	01.04.2023		Channel Assignment	Presentation of Virtual Functions		
	02.04.2023	SUNDAY				
	03.04.2023				EFT	
	04.04.2023	HOLIDAY				
	05.04.2023	Sine Function Computation, Fibonacci sequence				EFT
	06.04.2023		Handoff	Unit 4 File input and output		
11	07.04.2023		Mobility Management	Stream Classes of Files		
	08.04.2023	Reversing the digits of an integer, Introduction to Algorithm for factoring methods	GSM and IS-95 architecture	Types of Files		
	09.04.2023	SUNDAY				
	10.04.2023				Doubt Session	
	11.04.2023	Square root of number, Smallest divisor of an integer			Class Test	
	12.04.2023	Greatest Common Divisor, Generating Prime numbers			UNIT-IV Intranet	
	13.04.2023		channels, and Call Establishment	Exception handling,		
	14.04.2023	HOLIDAY				

	15.04.2023	Pseudo Random numbers, raising a number to a large power	Wireless Data Service	the catch handler	
	16.04.2023	SUNDAY			
	17.04.2023				Intranet vs. Groupware
	18.04.2023	Algorithm techniques for merge, sort, search operations			Intranet Hardware
	19.04.2023	Doubt Session on Unit-III			Intranet Software
13	20.04.2023		3G and 4G Cellular Systems	Types of Exceptions	
	21.04.2023		UNIT-III Fiber Optic Communication-I: Light Wave Communication Systems	Try block and throw clause,	
	22.04.2023	Holiday			
	23.04.2023	SUNDAY			
	24.04.2023				Intranet Services
	25.04.2023	Unit 4 Introduction to Excel, Spreadsheet			(Web (HTTP) Publishing,HTML, Hypertext)
	26.04.2023	Creation, manipulation of spreadsheet			Communication Systems (Email, Fax)
14	27.04.2023		Fiber Optic System, Applications & Benefits of Fiber Optics	Function throw list.	
	28.04.2023		Working of Fiber Optic Cables	Multiple Catch Block	
	29.04.2023	Importing database	Construction of Fiber Optic Cables.	Discussion of Unit 4	
	30.04.2023	SUNDAY			
	01.05.2023				Software used in Electronic mail

	02.05.2023	Concepts of macros,			Electronic Meeting Systems
	03.05.2023	Concepts of charts			Audio conferencing, Video Conferencing
15	04.05.2023		Unit-4 Fiber Optic Communication-II: Types of Cables	Doubt Session of Unit 4	
	05.05.2023		Cable Variations, Cable Attenuation	Discussion of PYQ	
	06.05.2023	Concepts of graphs	Optical Transmitter & Receivers	Class Test	
	07.05.2023	SUNDAY			
	08.05.2023				Groupware
	09.05.2023	How to use Formula in Excel			Extranet
	10.05.2023	Doubt Session			Doubt Session
16	11.05.2023		Fiber Optic Data Communication Systems	Doubts Session	
	12.05.2023		Doubt Session	Sessional	
	13.05.2023	PYQ	Sessional		
	14.05.2023	SUNDAY			
	15.05.2023	PYQ			Sessional
	16.05.2023	Sessional			
	17.05.2023				