LESSON PLA	AN:	
Discipline:	Semester:	Name of the Teaching Faculty:
Automation	3rd	Mrs. Supriya Mishra
& Robotics		
Subject:	No. Of classes allotted per	Semester:
Computer	week : 4 periods per week	From Date: 01-07-2024 To 08-11-2024
-	(Mon, Sat- 1 period each	
	& Fri – 2 periods)	
WEEK	CLASS DAY	THEORY / PRACTICAL TOPICS
1st	01-07-2024	Introductory Class & Interaction with new batch
	05-07-2024	Introduction to Computers, Recap of Concepts studied in FY
	06-07-2024	Syllabus Discussion
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	08-07-2024	1. INTRODUCTION TO OBJECT ORIENTED PROGRAMMING
		1.1. Basic Concepts of Object Oriented Programming
2nd	12-07-2024	1.2. Structure of a C++ program
		1.3. Tokens and Control Structures
	13-07-2024	1.4. Functions in C++ (Prototyping , Call by Reference)
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	15-07-2024	1.5. Specifying a Class and defining member functions
		1.6. Making an outside function inline
3rd	19-07-2024	1.7. Nesting of member functions
	20-07-2024	1.8. Private member functions
	22-07-2024	1.9. Arrays within a class.
4th	26-07-2024	1.10. Memory allocation for objects
		1.11. Static data members and Static Member Functions
	27-07-2024	1.12. Arrays of objects.
	29-07-2024	1.13. Objects as function arguments.
5th	02-08-2024	1.14. Friend functions and Retuning objects.
	03-08-2024	Recap & Discussion of Important Questions of Chapter 1
	05-08-2024	2. CONSTRUCTORS AND DESTRUCTORS
		2.1. Introduction to constructors.
6th	09-08-2024	2.2. Parameterized constructors.
		2.3. Multiple constructors in a class.
	10-08-2024	2.4. Dynamic constructors.
	12-08-2024	2.5. Destructors.
		Recap & Discussion of Important Questions of Chapter 2
	16-08-2024	3. OPERATOR OVERLOADING AND TYPE CONVERSIONS
7th		3.1. Define operator overloading.
		3.2. Overloading unary and binary operators.
		3.3. Manipulation of strings using operators.
	17-08-2024	3.4. Rules for overloading operators.
8th		
	23-08-2024	3.5. Type conversions.
		3.6. Function overloading.
	24-08-2024	Recap & Discussion of Important Questions of Chapter 3
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9th	30-08-2024	4. INHERITANCE

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		4.1. Defining derived classes.
		4.2. Single inheritance.
		4.3. Multiple inheritances.
		4.4. Hierarchical inheritance.
		4.5. Hybrid inheritance.
		4.6. Virtual base class.
	31-08-2024	4.7. Abstract classes
		4.8. Constructors in derived classes.
10th	02-09-2024	4.9. Nesting of classes.
		Recap & Discussion of Important Questions of Chapter 4
		5. BASICS OF COMPUTER NETWORKS AND PROTOCOLS
	06-09-2024	5.1. Topologies, BUS, RING, STAR
		5.2. Transmission media - Guided Transmission, Wireless
		Transmission
	09-09-2024	Internal Assessment (To be decided by Institution)
	00 00 202 .	5.3. Introduction to OSI Reference Model: Physical, Session,
		Presentation, Application
		Recap & Discussion of Important Questions of Chapter 5
11th	13-09-2024	6. RELIABLE DATA TRANSMISSION
	15 05 2021	6.1. Modes of Data Communication: Half Duplex, Full Duplex
		6.2 Use of networking devices like Repeaters, Bridges,
		Routers, Gateways and their benefits
	14-09-2024	5.4. Protocol Suite: TCP/IP.
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	20-09-2024	6.3 Analog and digital transmission.
421		6.4 Data Transfer rate, Channel capacity.
12th		6.5 Asynchronous & Synchronous Transmission.
	21-09-2024	6.6. Different methods of Error Detection – Part 1
	23-09-2024	6.6. Different methods of Error Detection – Part 2
13th	27-09-2024	6.7. Error Correction using Hamming codes
13(11	27-03-2024	6.8. Flow Control
	28-09-2024	6.9. Multiplexing: FDM & TDM
	30-09-2024	6 10 Packet Switching Naturals
	30-03-2024	6.10. Packet Switching Networks
14th	04-10-2024	6.11. Introduction to Routing, Routing in Packet switching Networks
	05-10-2024	Recap & Discussion of Important Questions of Chapter 6
	03-10-2024	necap & Discussion of Important Questions of Chapter o
15th	07-10-2024	Puja Holiday
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	14-10-2024	7. INTRODUCTION TO DATABASE PROGRAMMING.
16th	18-10-2024	7.1. Introduction to Database management system.
	19-10-2024	7.2. Entity relationship model and Attributes - Part 1
17th	21-10-2024	7.2. Entity relationship model and Attributes - Part 2
	25-10-2024	7.3. Introduction to DDL, DQL, DML, DCL and TCL Commands
		7.3.1 SQL queries to create new table and alter the structure
		of existing table.
		7.3.2 SQL queries to insert, retrieve, update and delete data

	26-10-2024	7.3.3 SQL queries to define access privileges to and control transactions on a database.
18th	28-10-2024	Recap & Discussion of Important Questions of Chapter 7
	01-11-2024	Discussion of Important Questions of Chapters 1,2,3,4
	02-11-2024	Discussion of Important Questions of Chapters 5,6
19th	04-11-2024	Discussion of Important Questions of Chapter 7
	08-11-2024	Discussion of Important Questions
		Last Date for submission of Notes by students