



KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

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Coimbatore - 641 029, Tamil Nadu, India



LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : DEEPA N,
Year/Semester/Section : I/I/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 23UIT101 & CORE PAPER 1 - C PROGRAMMING

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	21/06/2023	2	Overview of C ,History of C , Importance of C ,Sample programs	CHALK AND TALK		Overview of C ,History of C , Importance of C
2	22/06/2023	3	Sample programs , Basic Structure of C programs	CHALK AND TALK		Sample programs , Basic Structure of C programs
3	23/06/2023	1	Programming style	CHALK AND TALK		Programming style
4	26/06/2023	1	Character set	CHALK AND TALK		Character set
5	27/06/2023	3	C tokens , keyword & Identifiers	CHALK AND TALK		C tokens , keyword & Identifiers
6	30/06/2023	2	Constants	CHALK AND TALK		Constants
7	03/07/2023	3	Variables , Data types , Declaration of variables	CHALK AND TALK		Variables , Data types , Declaration of variables
8	04/07/2023	1	Assigning values to variables	CHALK AND TALK		Assigning values to variables

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9	05/07/2023	1	Defining Symbolic Constants	CHALK AND TALK		Defining Symbolic Constants
10	06/07/2023	3	Arithmetic, Relational, Logical, Assignment	CHALK AND TALK		Arithmetic, Relational, Logical, Assignment
11	10/07/2023	2	Conditional, Bit wise, Special, Increment and Decrement operators	CHALK AND TALK		Conditional, Bit wise, Special, Increment and Decrement operators
12	11/07/2023	3	Arithmetic Expressions ,Evaluation of expression , precedence of arithmetic operators	CHALK AND TALK		Arithmetic Expressions ,Evaluation of expression , precedence of arithmetic operators
13	12/07/2023	1	Type conversion in expression , operator precedence & associativity , Mathematical functions	CHALK AND TALK		Type conversion in expression , operator precedence & associativity , Mathematical functions
14	13/07/2023	1	Reading & Writing a character , Formatted input and output	CHALK AND TALK		Reading & Writing a character , Formatted input and output
15	14/07/2023	3	Test-1 -General syntax of C programming , Operators	CHALK AND TALK		Test-1 -General syntax of C programming . Operators
Unit 2						
16	18/07/2023	2	Decision Making and Branching - Introduction	PDF		Decision Making and Branching - Introduction
17	19/07/2023	3	Simple if statement	PDF		Simple if statement
18	20/07/2023	1	The If	PDF		The If



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19	21/07/2023	1	Nesting of If	PDF		Nesting of If
20	24/07/2023	3	Else If ladder	PDF		Else If ladder
21	26/07/2023	2	The Switch statement	PDF		The Switch statement
22	27/07/2023	3	The ?: Operator	PDF		The ?: Operator
23	28/07/2023	1	The goto Statement	PDF		The goto Statement
24	31/07/2023	1	Decision Making and Looping: Introduction	PPT		Decision Making and Looping: Introduction
25	01/08/2023	3	The While statement	PPT		The While statement
26	07/08/2023	2	The do statement	PPT		The do statement
27	08/08/2023	1	The for statement	PPT		The for statement
28	09/08/2023	1	Jumps in loops	PPT		Jumps in loops
29	10/08/2023	3	jumps in loops.	PPT		jumps in loops
30	11/08/2023	3	Quiz-1	ONLINE-LINK	https://quizizz.com/admin/classes/64ccc3c14d62f00008d6c949	Quiz-1
Unit 3						
31	14/08/2023	2	Arrays ,Introduction , one , declaration & initialization of one dimension array	CHALK AND TALK		Arrays ,Introduction , one , declaration & initialization of one dimension array

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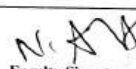
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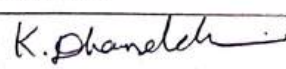


32	16/08/2023	3	Two dimensional array , initialization of two dimension array	CHALK AND TALK		Character Arrays and Strings
33	17/08/2023	1	Multi dimensional , dynamic arrays	CHALK AND TALK		Multi dimensional , dynamic arrays
34	18/08/2023	1	Character Arrays and Strings , declaring and initializing string variables, reading string terminals	CHALK AND TALK		Character Arrays and Strings , declaring and initializing string variables, reading string terminals
35	19/08/2023	3	Writing strings to screen , arithmetic operations on characters, putting strings together	CHALK AND TALK		Writing strings to screen , arithmetic operations on characters, putting strings together
36	22/08/2023	2	Comparison of 2 strings, string handling functions, table of strings	CHALK AND TALK		Comparison of 2 strings, string handling functions, table of strings
37	23/08/2023	3	. User-Defined Functions: Introduction , Need for User-Defined Functions	CHALK AND TALK		. User-Defined Functions: Introduction , Need for User-Defined Functions
38	24/08/2023	1	Elements of User-Defined Functions	CHALK AND TALK		Elements of User-Defined Functions
39	25/08/2023	1	Definition of function	CHALK AND TALK		Definition of function
40	28/08/2023	3	Return Values and their types	CHALK AND TALK		Return Values and their types
41	31/08/2023	2	Function Calls	CHALK AND TALK		Function Calls
42	01/09/2023	1	Declarations	CHALK AND TALK		Declarations
43	02/09/2023	1	Category of Functions	CHALK AND TALK		Category of Functions

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44	04/09/2023	1	Nesting of Functions , Recursion	CHALK AND TALK		Nesting of Functions , Recursion
45	05/09/2023	1	Passing Arrays and Strings to Functions	CHALK AND TALK		Passing Arrays and Strings to Functions
46	08/09/2023	2	The Scope, Visibility and Lifetime of Variables	CHALK AND TALK		The Scope, Visibility and Lifetime of Variables
Unit 4						
47	11/09/2023	1	Pointers: Introduction,	CHALK AND TALK		Pointers: Introduction,
48	12/09/2023	3	Understanding Pointers	CHALK AND TALK		Understanding Pointers
49	13/09/2023	1	Accessing the address of a variable	CHALK AND TALK		Accessing the address of a variable
50	14/09/2023	1	Declaration and Initialization of pointer Variable	CHALK AND TALK		Declaration and Initialization of pointer Variable
51	19/09/2023	2	Accessing a variable through its pointer	CHALK AND TALK		Accessing a variable through its pointer
52	20/09/2023	3	Chain of pointers	CHALK AND TALK		Chain of pointers
53	21/09/2023	1	Pointer Expressions	CHALK AND TALK		Pointer Expressions
54	22/09/2023	1	Pointer Increments and Scale factor	CHALK AND TALK		Pointer Increments and Scale factor
55	23/09/2023	1	Pointers and Arrays	CHALK AND TALK		Pointers and Arrays
56	26/09/2023	2	Pointers and Strings	CHALK AND TALK		Pointers and Strings

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57	27/09/2023	3	Array of pointers	CHALK AND TALK		Array of pointers
58	03/10/2023	3	Pointers as Function Arguments	CHALK AND TALK		Pointers as Function Arguments
59	04/10/2023	1	Functions returning pointers.	CHALK AND TALK		Functions returning pointers.
60	05/10/2023	1	QUIZ	ONLINE-LINK	https://quizizz.com/admin/report/s/65018f0e859d682eafb28275/p/layers	QUIZ
Unit 5						
61	07/10/2023	2	Structures and Unions: Introduction	CHALK AND TALK		Structures and Unions: Introduction
62	09/10/2023	3	Defining a Structure	CHALK AND TALK		Defining a Structure
63	10/10/2023	3	Declaring Structure variables	CHALK AND TALK		Declaring Structure variables
64	11/10/2023	1	Structure Initialization	CHALK AND TALK		Structure Initialization
65	12/10/2023	1	Array of Structures	CHALK AND TALK		Array of Structures
66	17/10/2023	3	Arrays within Structures	CHALK AND TALK		Arrays within Structures
67	18/10/2023	3	Structures within Structures	CHALK AND TALK		Structures within Structures
68	19/10/2023	1	Pointers and Structures , Unions	CHALK AND TALK		Pointers and Structures , Unions
69	20/10/2023	1	File Management in C: Defining and Opening a File	CHALK AND TALK		File Management in C: Defining and Opening a File
70	21/10/2023	2	Closing a File	CHALK AND TALK		Closing a File

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71	26/10/2023	2	Input or Output operations on files	CHALK AND TALK		Input or Output operations on files
72	27/10/2023	3	Error handling during I/O operations	CHALK AND TALK		Error handling during I/O operations
73	30/10/2023	1	Random access to files	CHALK AND TALK		Random access to files
74	31/10/2023	1	Command line arguments , quiz	LINK	https://quizizz.com/admin/reports/650e7e3aad97f8105a0c96a5/players	Command line arguments , quiz


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ACADEMIC YEAR : 2023-2024
Faculty Name : DEEPA N.
Year/Semester/Section : I/I/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 23UIT1CL & CORE PRACTICAL 1 - PROGRAMMING LAB - C

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	20/06/2023	2	Sample program -Printing a message	LAB		Sample program -Printing a message
2	22/06/2023	4	Sample program -Adding two numbers	LAB		Sample program -Adding two numbers
3	23/06/2023	5	Sample program- Interest calculation	LAB		Sample program- Interest calculation
4	26/06/2023	3	Program-1 - Write a C program to find the sum, average, standard deviation for a given set of numbers	LAB		Program-1 - Write a C program to find the sum, average, standard deviation for a given set of numbers

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5	27/06/2023	4	1. Write a C program to find the sum, average, standard deviation for a given set of numbers	LAB		1. Write a C program to find the sum, average, standard deviation for a given set of numbers
6	28/06/2023	2	sample program - Use of mathematics function	LAB		sample program - Use of mathematics function
7	03/07/2023	4	Sample program -average of numbers	LAB		Sample program -average of numbers
8	04/07/2023	5	sample program- arithmetic conversion	LAB		sample program- arithmetic conversion
9	05/07/2023	3	program-2 -Write a C program to generate —n prime numbers.	LAB		program-2 -Write a C program to generate —n prime numbers.
10	06/07/2023	4	program-2 -Write a C program to generate —n prime numbers.	LAB		program-2 -Write a C program to generate —n prime numbers.

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11	07/07/2023	2	sample program -sequence of numbers	LAB		sample program -sequence of numbers
12	11/07/2023	4	sample program-different kinds of operators	LAB		sample program-different kinds of operators
13	12/07/2023	5	sample program- variables and expressions	LAB		sample program- variables and expressions
14	13/07/2023	3	Program-3 - Write a C program to generate Fibonacci series.	LAB		Program-3 - Write a C program to generate Fibonacci series.
15	14/07/2023	4	Program-3 - Write a C program to generate Fibonacci series.	LAB		Program-3 - Write a C program to generate Fibonacci series.
Unit 2						
16	17/07/2023	2	sample program -calculate and round off floating point values	LAB		sample program -calculate and round off floating point values

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17	19/07/2023	4	sample program - reading integers	LAB		sample program - reading integers
18	20/07/2023	5	sample program - real numbers	LAB		sample program - real numbers
19	21/07/2023	3	program-4 -Write a C program to convert temperature from Fahrenheit to Celsius and vice versa.	LAB		program-4 -Write a C program to convert temperature from Fahrenheit to Celsius and vice versa.
20	24/07/2023	4	program- 4- Write a C program to convert temperature from Fahrenheit to Celsius and vice versa.	LAB		program- 4- Write a C program to convert temperature from Fahrenheit to Celsius and vice versa.
21	25/07/2023	2	sample program- odd numbers	LAB		sample program- odd numbers
22	27/07/2023	4	sample program -to find height and weight	LAB		sample program -to find height and weight

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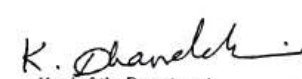


23	28/07/2023	5	sample program-if , if else statement	LAB		sample program-if , if else statement
24	31/07/2023	3	Program 5 -Write a C program to print magic square of order n where n > 3 and n is odd.	LAB		Program 5 -Write a C program to print magic square of order n where n > 3 and n is odd.
25	01/08/2023	4	Program 5 -Write a C program to print magic square of order n where n > 3 and n is odd.	LAB		Program 5 -Write a C program to print magic square of order n where n > 3 and n is odd.
26	02/08/2023	2	sample program- sorting	LAB		sample program- sorting
27	08/08/2023	5	sample program- switch case	LAB		sample program- switch case
28	09/08/2023	3	sample program- if else ladder	LAB		sample program- if else ladder

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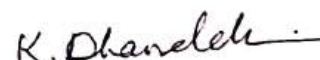


29	10/08/2023	4	Program-6 -Write a C program to sort the given set of numbers in ascending order.	LAB		Program-6 -Write a C program to sort the given set of numbers in ascending order.
Unit 3						
30	11/08/2023	4	sample program do...while loop	LAB		sample program do...while loop
31	12/08/2023	2	sample program while loop	LAB		sample program while loop
32	16/08/2023	4	sample program for loop	LAB		sample program for loop
33	17/08/2023	5	sample program loop concept	LAB		sample program loop concept
34	18/08/2023	3	program- 7 Write a C program to perform matrix multiplication.	LAB		program- 7 Write a C program to perform matrix multiplication.

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35	19/08/2023	4	program- 7 Write a C program to perform matrix multiplication.	LAB		program- 7 Write a C program to perform matrix multiplication.
36	21/08/2023	2	sample string program	LAB		sample string program
37	23/08/2023	4	sample program array	LAB		sample program array
38	24/08/2023	5	sample program-standard deviation	LAB		sample program-standard deviation
39	25/08/2023	3	Program 8-Write a C program to check whether the given string is a palindrome or not using pointers.	LAB		Program 8-Write a C program to check whether the given string is a palindrome or not using pointers.
40	28/08/2023	4	Program 8-Write a C program to check whether the given string is a palindrome or not using pointers.	LAB		Program 8-Write a C program to check whether the given string is a palindrome or not using pointers.

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Unit 4

41	30/08/2023	2	sample program-putting string together	LAB		sample program-putting string together
42	01/09/2023	5	sample program-string functions	LAB		sample program-string functions
43	02/09/2023	3	sample program-sort names in ascending order	LAB		sample program-sort names in ascending order
44	04/09/2023	5	Program 9-Write a C program to count the number of Vowels in the given sentence.	LAB		9. Write a C program to count the number of Vowels in the given sentence.
45	05/09/2023	3	9. Write a C program to count the number of Vowels in the given sentence.	LAB		9. Write a C program to count the number of Vowels in the given sentence.
46	07/09/2023	2	Sample programs -string copy	LAB		Sample programs -string copy



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47	11/09/2023	5	sample program- string concatenation	LAB		sample program- string concatenation
48	12/09/2023	4	sample program -reverse string	LAB		sample program -reverse string
49	13/09/2023	5	10. Write a function to perform (a) String copy (b) String concatenation (c) Reversing the string.	LAB		10. Write a function to perform (a) String copy (b) String concatenation (c) Reversing the string.
50	14/09/2023	3	10. Write a function to perform (a) String copy (b) String concatenation (c) Reversing the string.	LAB		10. Write a function to perform (a) String copy (b) String concatenation (c) Reversing the string.
51	15/09/2023	2	Initialization of array	LAB		Initialization of array
52	20/09/2023	4	one dimensional array	LAB		one dimensional array
53	21/09/2023	5	Two dimensional array	LAB		Two dimensional array
54	22/09/2023	3	Multi dimensional array	LAB		Multi dimensional array

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55	23/09/2023	3	PGM-11:-Factorial using recursion	LAB		PGM-11:-Factorial using recursion
56	25/09/2023	2	Struct : Defining and accessing structure	LAB		Struct : Defining and accessing structure
57	27/09/2023	4	Struct : copy one variable to another variable	LAB		Struct : copy one variable to another variable
58	03/10/2023	4	Array of structure	LAB		Array of structure
59	04/10/2023	5	Pgm 12-Student Marksheet	LAB		Pgm 12-Student Marksheet
60	05/10/2023	3	Pgm-12 - student marksheet	LAB		Pgm-12 - student marksheet
Unit 5						
61	06/10/2023	2	Using structure parameter	LAB		Using structure parameter
62	09/10/2023	4	Use of structure member	LAB		Use of structure member
63	10/10/2023	4	Sample program structure	LAB		Sample program structure

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64	11/10/2023	5	Pgm-13-Matrix addition using pointers	LAB		Pgm-13-Matrix addition using pointers
65	12/10/2023	3	Pgm-13- Matrix addition using pointers	LAB		Pgm-13- Matrix addition using pointers
66	13/10/2023	2	Character oriented read/write operations on a file	LAB		Character oriented read/write operations on a file
67	16/10/2023	2	Operations on integer data	LAB		Operations on integer data
68	17/10/2023	4	Operations on mixed data	LAB		Operations on mixed data
69	18/10/2023	4	Pgm-14-File Comparison	LAB		Pgm-14-File Comparison
70	19/10/2023	5	Pgm-14-File Comparison	LAB		Pgm-14-File Comparison
71	20/10/2023	3	Command line arguments	LAB		Command line arguments
72	27/10/2023	4	Read data from the keyboard	CHALK AND TALK		Read data from the keyboard
73	30/10/2023	5	Malloc program	CHALK AND TALK		Malloc program

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74	31/10/2023	3	Pgm- 15- command line argument	LAB		Pgm- 15- command line argument
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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : DEEPA N,
Year/Semester/Section : III/V/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 21UIT5E1 & MAJOR ELECTIVE PAPER I - CLOUD COMPUTING

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	1	Introduction to cloud computing, cloud computing at a glance	CHALK AND TALK		Introduction to cloud computing, cloud computing at a glance
2	20/06/2023	4	The vision of cloud computing	CHALK AND TALK		The vision of cloud computing
3	21/06/2023	5	Defining a cloud	CHALK AND TALK		Defining a cloud
4	22/06/2023	2	A closer look	CHALK AND TALK		A closer look
5	23/06/2023	2	The cloud computing reference model	CHALK AND TALK		The cloud computing reference model
6	26/06/2023	4	Characteristics and benefits	CHALK AND TALK		Characteristics and benefits
7	27/06/2023	1	Challenges ahead	CHALK AND TALK		Challenges ahead
8	28/06/2023	4	Historical developments	CHALK AND TALK		Historical developments
9	30/06/2023	5	Distributed systems	CHALK AND TALK		Distributed systems
10	03/07/2023	2	Virtualization	CHALK AND TALK		Virtualization

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11	04/07/2023	2	Web2.0	CHALK AND TALK		Web2.0
12	05/07/2023	4	Service-oriented computing	CHALK AND TALK		Service-oriented computing
13	06/07/2023	1	Utility-oriented computing	CHALK AND TALK		Utility-oriented computing
14	07/07/2023	4	Building cloud computing environments	CHALK AND TALK		Building cloud computing environments
15	10/07/2023	5	Application development	CHALK AND TALK		Application development
16	11/07/2023	2	Infrastructure and system development	CHALK AND TALK		Infrastructure and system development
17	12/07/2023	2	Computing platforms and technologies	CHALK AND TALK		Computing platforms and technologies
18	13/07/2023	4	Quiz-1	ONLINE-LINK	https://quizizz.com/join/quiz/5fa0e3d0de5e0a001b7a7b66/start?studentShare=true	Quiz-1
Unit 2						
19	14/07/2023	1	Principles of Parallel and Distributed Computing	CHALK AND TALK		Principles of Parallel and Distributed Computing
20	17/07/2023	4	Eras of computing	PPT		Eras of computing
21	18/07/2023	5	Parallel vs. distributed computing	PPT		Parallel vs. distributed computing
22	19/07/2023	2	Elements of parallel computing	PPT		Elements of parallel computing
23	20/07/2023	2	What is parallel processing?	PPT		What is parallel processing?
24	21/07/2023	4	Hardware architectures for parallel processing	CHALK AND TALK		Hardware architectures for parallel processing

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25	24/07/2023	1	Approaches to parallel programming	CHALK AND TALK		Approaches to parallel programming
26	25/07/2023	4	Levels of parallelism	CHALK AND TALK		Levels of parallelism
27	26/07/2023	5	Laws of caution	CHALK AND TALK		Laws of caution
28	27/07/2023	2	Elements of distributed computing	CHALK AND TALK		Elements of distributed computing
29	28/07/2023	2	General concepts and definitions	CHALK AND TALK		General concepts and definitions
30	31/07/2023	4	Components of a distributed system	PPT		Components of a distributed system
31	01/08/2023	1	Architectural styles for distributed computing	PPT		Architectural styles for distributed computing
32	02/08/2023	4	Models for inter process communication	CHALK AND TALK		Models for inter process communication
33	07/08/2023	2	Technologies for distributed computing	CHALK AND TALK		Technologies for distributed computing
34	08/08/2023	2	Remote procedure call	PPT		Remote procedure call
35	09/08/2023	4	Distributed object frameworks & Service-oriented computing	CHALK AND TALK		Distributed object frameworks & Service-oriented computing
36	10/08/2023	4	QUIZ-2	ONLINE-LINK	https://quizizz.com/admin/reports/64be0a446e7f0d001d58c758/playe	QUIZ-2
Unit 3						
37	11/08/2023	1	Cloud Computing Architecture	PPT		Cloud Computing Architecture
38	12/08/2023	4	Introduction, The cloud reference model	PPT		Introduction, The cloud reference model

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39	14/08/2023	2	Architecture	PPT		Architecture
40	16/08/2023	2	Infrastructure- and hardware-as-a-service	PPT		Infrastructure- and hardware-as-a-service
41	17/08/2023	2	Platform as a service	PPT		Platform as a service
42	18/08/2023	4	Software as a service	PPT		Software as a service
43	19/08/2023	1	Types of clouds	PPT		Types of clouds
44	21/08/2023	4	Public clouds	PPT		Public clouds
45	22/08/2023	2	Private clouds	PPT		Private clouds
46	23/08/2023	2	Hybrid clouds	PPT		Hybrid clouds
47	24/08/2023	2	Community clouds	PPT		Community clouds
48	25/08/2023	4	Economics of the cloud	PPT		Economics of the cloud
49	26/08/2023	1	Open Challenges	CHALK AND TALK		Open Challenges
50	30/08/2023	4	Cloud Definition	CHALK AND TALK		Cloud Definition
51	31/08/2023	2	Cloud interoperability and standards	CHALK AND TALK		Cloud interoperability and standards
52	01/09/2023	2	Scalability and fault tolerance	CHALK AND TALK		Scalability and fault tolerance
53	02/09/2023	4	Security, trust, and privacy , Organizational aspects	CHALK AND TALK		Security, trust, and privacy , Organizational aspects
54	04/09/2023	2	QUIZ	LINK	https://quizizz.com/admin/reports/64e71e326c94fd001e40781a/playern	QUIZ

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Unit 4

55	05/09/2023	1	Cloud applications	CHALK AND TALK		cloud applications
56	07/09/2023	4	Scientific applications	CHALK AND TALK		Scientific applications
57	08/09/2023	2	Health care :ECG Analysis in the cloud	PDF		Health care :ECG Analysis in the cloud
58	11/09/2023	5	Biology : Protein structure prediction	PDF		Biology : Protein structure prediction
59	12/09/2023	2	Biology: gene expression data analysis for cancer diagnosis	PDF		Biology: gene expression data analysis for cancer diagnosis
60	13/09/2023	2	Geoscience: satellite image processing	PDF		Geoscience: satellite image processing
61	14/09/2023	1	Business and consumer applications	PDF		Business and consumer applications
62	15/09/2023	4	CRM and ERP	PDF		CRM and ERP
63	19/09/2023	5	CRM-ERP : SALES FORCE	PDF		CRM-ERP : SALES FORCE
64	20/09/2023	2	CRM-ERP : MICRO DYNAMICS CRM	PDF		CRM-ERP : MICRO DYNAMICS CRM
65	21/09/2023	2	CRM-ERP : NETSUITE	PDF		CRM-ERP : NETSUITE
66	22/09/2023	4	PRODUCTIVITY	PDF		PRODUCTIVITY
67	23/09/2023	1	PRODUCTIVITY- DROP BOX, AND ICLOUD, GOOGLE DOCS, CLOUD DESKTOPS: EYEOS AND XIOS/3	PDF		PRODUCTIVITY- DROP BOX, AND ICLOUD, GOOGLE DOCS, CLOUD DESKTOPS: EYEOS AND XIOS/3
68	25/09/2023	4	Social networking	PDF		Social networking

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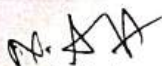
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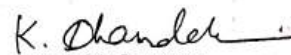


69	26/09/2023	5	FACEBOOK	PDF		FACEBOOK
70	27/09/2023	5	MEDIA APPLICATIONS	PDF		MEDIA APPLICATIONS
71	03/10/2023	2	ANIMOTO, MAYA RENDERING WITH ANEKA , VIDEO ENCODING ON THE CLOUD : ENCODING .COM, MULTIPLAYER ONLINE GAMING	PDF		ANIMOTO, MAYA RENDERING WITH ANEKA , VIDEO ENCODING ON THE CLOUD : ENCODING .COM, MULTIPLAYER ONLINE GAMING
72	04/10/2023	2	QUIZ	ONLINE-LINK	https://quizizz.com/join?gc=74048866	QUIZ
Unit 5						
73	05/10/2023	1	CLOUD SECURITY INTRODUCTION	PDF		CLOUD SECURITY INTRODUCTION
74	06/10/2023	4	HOW TO MANAGE SECURITY IN THE CLOUD?	PDF		HOW TO MANAGE SECURITY IN THE CLOUD?
75	07/10/2023	5	Benefits of Cloud Security System	PDF		Benefits of Cloud Security System
76	09/10/2023	5	Cloud Security Challenges	PDF		Cloud Security Challenges
77	10/10/2023	2	Cloud Computing Security Architecture-Introduction	PDF		Cloud Computing Security Architecture-Introduction
78	11/10/2023	2	CSA	PDF		CSA
79	12/10/2023	1	Security Risks of Cloud Computing	PDF		Security Risks of Cloud Computing
80	13/10/2023	4	Data Protection in Cloud	PDF		Data Protection in Cloud

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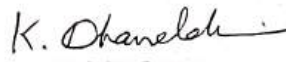


81	16/10/2023	5	Why Companies Need Cloud Data Protection	PDF		Why Companies Need Cloud Data Protection
82	17/10/2023	5	How Companies Can Better Protect Their Data in Cloud Environments	PDF		How Companies Can Better Protect Their Data in Cloud Environments
83	18/10/2023	2	The Benefits of Cloud Data Protection	PDF		The Benefits of Cloud Data Protection
84	19/10/2023	2	What is cloud storage?	PDF		What is cloud storage?
85	20/10/2023	1	Architecture of Cloud Storage	PDF		Architecture of Cloud Storage
86	21/10/2023	4	SAML	CHALK AND TALK		SAML
87	26/10/2023	5	Types of SAML	CHALK AND TALK		Types of SAML
88	27/10/2023	2	Working with SAML	CHALK AND TALK		Working with SAML
89	30/10/2023	2	SAML Assertion	CHALK AND TALK		SAML Assertion
90	31/10/2023	4	cloud security	LINK	https://quizizz.com/admin/reports/6507c78324ed6f6121761e8a/playern	cloud security

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : N.ALAMELU MANGAI,
Year/Semester/Section : II/III/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 22UGC3S1 & SKILL BASED SUBJECT I - CYBER SECURITY

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	3	Cyber Security - Introduction	CHALK AND TALK		
2	20/06/2023	3	Cyber Hacking	CHALK AND TALK		Cyber Hacking, character of hacker, types, behaviour
3	27/06/2023	3	Cyber Fraud	CHALK AND TALK		Defintion- Modes-Frauds in India
4	28/06/2023	3	Cyber Pornography	CHALK AND TALK		Criminalization - Measures - Legislative Approach
5	06/07/2023	3	Cyber Pornography	CHALK AND TALK		
6	07/07/2023	3	Case Studies	CHALK AND TALK		
Unit 2						

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7	14/07/2023	3	Cyber Crime	CHALK AND TALK		SDefinition-Warfare -Computer related crimesCyber Crime Preventive Methods
8	17/07/2023	3	Malware	CHALK AND TALK		
9	24/07/2023	3	Cyber Attacks	CHALK AND TALK		Web Based Attacks - System Based Attacks
10	25/07/2023	3	Cyber Attacks	CHALK AND TALK		Active Attacks
11	01/08/2023	3	Passive Attacks	CHALK AND TALK		Eaves dropping
12	02/08/2023	3	Traffic Analysis	CHALK AND TALK		Traffic Analysis
Unit 3						
13	11/08/2023	3	Internet Mobile Phone and E Commerce Security Issues - Data Theft	CHALK AND TALK		
14	12/08/2023	3	Punishment of Data Theft	CHALK AND TALK		Punishment of Data Theft
15	19/08/2023	3	Internet Safety Tips for Children and Parents	CHALK AND TALK		Internet Safety Tips for Children and Parents
16	21/08/2023	3	Mobile Phone Privacy	CHALK AND TALK		Mobile Phone Privacy



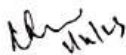
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17	28/08/2023	3	E Commerce Security Issues	CHALK AND TALK		OWASP, social media
18	30/08/2023	3	Zero Trust Security	CHALK AND TALK		E Com web site measures
Unit 4						
19	05/09/2023	3	Email and Social Media Issues Computer Virus and Firewall	CHALK AND TALK		Email and Social Media Issues
20	07/09/2023	3	Aspects of Social Media - Vicious Cycle	CHALK AND TALK		Aspects of Social Media - Vicious Cycle
21	14/09/2023	3	Modifying Social Media use to improve mental health	CHALK AND TALK		improve mental health
22	15/09/2023	3	Computer Virus	CHALK AND TALK		Computer Virus
23	23/09/2023	3	AntiVirus	CHALK AND TALK		AntiVirus
24	25/09/2023	3	Firewalls	CHALK AND TALK		Firewalls

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Unit 5

25	05/10/2023	3	Cyber Forensics	CHALK AND TALK		Introduction - Digital foot prints
26	06/10/2023	3	Digital Footprints	CHALK AND TALK		Digital Footprints - web browsing - Examples
27	12/10/2023	3	How to protect digital footprint - Erase	CHALK AND TALK		Protect and Erase digital footprints
28	13/10/2023	3	Browser Extensions and Search Engine Deletion	CHALK AND TALK		Cyber crime and Cyber Laws
29	20/10/2023	3	Common Cyber Crimes and Applicable Legal Provisions	CHALK AND TALK		Snapshot- cyber law
30	21/10/2023	3	IT Act of India,2000	CHALK AND TALK		IT Act - Law and Punishment in India - Prevention Guide - Regulatory Authorities

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : ASWINI S,
Year/Semester/Section : III/V/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 21UIT5XL & EDC PAPER - DESIGNING THROUGH MULTIMEDIA – GIMP LAB

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	3	GIMP Software Introduction	DEMO		GIMP Software Introduction
2	20/06/2023	3	Edit a Photo from Digital B&W using GIMP.	LAB		Edit a Photo from Digital B&W using GIMP.
3	27/06/2023	3	Edit a Photo from Digital B&W using GIMP.- Output Verified	LAB		Edit a Photo from Digital B&W using GIMP.-Output Verified
4	28/06/2023	3	Introduction-Texting and Coloring Tools	DEMO		Introduction-Texting and Coloring Tools


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5	06/07/2023	3	Demo Class -Design a Banner for Department Function using GIMP.	DEMO		Demo Class -Design a Banner for Department Function using GIMP.
6	07/07/2023	3	Out Verified -Design a Banner for Department Function using GIMP.	DEMO		Out Verified -Design a Banner for Department Function using GIMP.
7	14/07/2023	3	Demo-E Photo attachment & Tools	DEMO		Demo-E Photo attachment & Tools
8	17/07/2023	3	Demo-Design a Student ID Card using GIMP.	DEMO		Demo-Design a Student ID Card using GIMP.
9	24/07/2023	3	Class work and Output Verified Design a Student ID Card using GIMP.	LAB		Class work and Output Verified Design a Student ID Card using GIMP.
10	25/07/2023	3	Explain usage of Background color and Color Tools	LAB,DEMO		Explain usage of Background color and Color Tools

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11	01/08/2023	3	Demo-Adding and assigning a color to Alpha channels (Background).	DEMO		Demo-Adding and assigning a color to Alpha channels (Background).
12	02/08/2023	3	Classwork and output verified-Adding and assigning a color to Alpha channels (Background).	LAB		Classwork and output verified-Adding and assigning a color to Alpha channels (Background).
13	11/08/2023	3	Explain editing tools	DEMO		Explain editing tools
14	12/08/2023	3	Demo-Editing an Image using Pseudo color Overlays.	DEMO		Demo-Editing an Image using Pseudo color Overlays.
15	19/08/2023	3	Classwork and Output Verified -Editing an Image using Pseudo color Overlays.	LAB		Classwork and Output Verified -Editing an Image using Pseudo color Overlays.


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16	21/08/2023	3	Explain Transformation operation by Translation, Rotation and Scaling an image.	DEMO		Explain Transformation operation by Translation, Rotation and Scaling an image.
17	28/08/2023	3	Demo-Transformation operation by Translation, Rotation and Scaling an image.	LAB, DEMO		Demo-Transformation operation by Translation, Rotation and Scaling an image.
18	30/08/2023	3	Class work and Output Verified 6. transformation operation by Translation, Rotation and Scaling an image.	LAB		Class work and Output Verified 6. transformation operation by Translation, Rotation and Scaling an image.
19	05/09/2023	3	Explain Text and Rotating Tools	LAB		Explain Text and Rotating Tools
20	07/09/2023	3	Explain -Design a Visiting card for a Company with proper size using GIMP	DEMO		Explain -Design a Visiting card for a Company with proper size using GIMP



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21	14/09/2023	3	Output Verified Design a Visiting card for a Company with proper size using GIMP	DEMO		Output Verified Design a Visiting card for a Company with proper size using GIMP
22	15/09/2023	3	Explain appropriate tool in GIMP application	DEMO		Explain appropriate tools in GIMP application
23	23/09/2023	3	Explain College Logo with appropriate tools using GIMP.	DEMO		Explain College Logo with appropriate tools using GIMP
24	25/09/2023	3	Explain Create a Filter application and layer masking using GIMP.	LAB		Explain Create a Filter application and layer masking using GIMP.
25	05/10/2023	3	Explain Draw an image using Parametric Brushes.	DEMO		Explain Draw an image using Parametric Brushes.
26	06/10/2023	3	Revision-Lab Programming	LAB		Revision-Lab Programming


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27	12/10/2023	3	Revision-Lab Programming & Verify output	LAB		Revision-Lab Programming & Verify output
28	13/10/2023	3	Revision-Model Practical test	LAB		Revision-Model Practical test
29	20/10/2023	3	Revision	LAB		Revision
Unit 5						
30	21/10/2023	3	Revision	LAB		Revision



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : ASWINI S,
Year/Semester/Section : II/III/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 22UIT3A3 & ALLIED PAPER 3 - DIGITAL MARKETING

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	4	Digital Marketing-Introduction	BOARD		Digital Marketing-Introduction
2	21/06/2023	5	Origin and Development of Digital Marketing	CHALK AND TALK		Original and Development of Digital Marketing
3	22/06/2023	4	Penetration and kind of Internet Use	BOARD		Penetration and kind of Internet Use
4	23/06/2023	1	Digital Marketing Strategy	CHALK AND TALK		Digital Marketing Strategy
5	26/06/2023	1	Digital Marketing Strategy	BOARD		Digital Marketing Strategy
6	27/06/2023	4	Digital Marketing Plan	CHALK AND TALK		Digital Marketing Plan
7	30/06/2023	5	Digital Advertising Plan	ONLINE-LINK	https://www.smartinsights.com/digital-marketing-strategy/	Digital Advertising Plan
8	03/07/2023	4	Ethical and Legal Framework of Digital Marketing	BOARD		Ethical and Legal Framework of Digital Marketing

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9	04/07/2023	1	Skills Required in Digital Marketing	CHALK AND TALK		Skills Required in Digital Marketing
10	05/07/2023	1	Display Advertising Introduction & Concept of Display Advertising	BOARD		Display Advertising Introduction & Concept of Display Advertising
11	06/07/2023	4	Digital Metrics	CHALK AND TALK		Digital Metrics
12	10/07/2023	5	Types of Display Ads	BOARD		Types of Display Ads
13	11/07/2023	4	Challenges faced by display marketing	CHALK AND TALK		Challenges faced by display marketing
14	12/07/2023	1	Revision 1st Unit	CHALK AND TALK		Revision 1st Unit
15	13/07/2023	1	Unit 1 Test	BOARD		Unit 1 Test
16	14/07/2023	4	Why is the Ad Rank Important? and Create your First Ad Campaign	CHALK AND TALK		Why is the Ad Rank Important? and Create your First Ad Campaign
Unit 2						
17	18/07/2023	5	Search Engine Advertising Introduction & Why Pay for Search Advertising?	CHALK AND TALK		Search Engine Advertising Introduction & Why Pay for Search Advertising?
18	19/07/2023	4	Understanding Ad Placement	BOARD		Understanding Ad Placement
19	20/07/2023	1	Understanding Ad Ranks	BOARD		Understanding Ad Ranks

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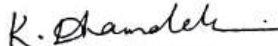


20	21/07/2023	1	Google Ads Account	CHALK AND TALK		Google Ads Account
21	24/07/2023	4	Best Practice for Creating Effective Ads	BOARD		Best Practice for Creating Effective Ads
22	26/07/2023	5	Enhance your Ad Campaign	CHALK AND TALK		Enhance your Ad Campaign
23	27/07/2023	4	Performance Report	CHALK AND TALK		Performance Report
24	28/07/2023	1	E-Commerce	BOARD		E-Commerce
25	31/07/2023	1	Strategy Implementation and Measure	CHALK AND TALK		Strategy Implementation and Measure
26	01/08/2023	4	Test	BOARD		Test
27	07/08/2023	5	Different Forms of Social Entertainment	PPT		Different Forms of Social Entertainment
28	08/08/2023	1	Gamification	PPT		Gamification
29	09/08/2023	1	Unit 2 Revision	CHALK AND TALK		Unit 2 Revision
30	10/08/2023	1	Unit 2 Test Quiz	BOARD		Unit 2 Test Quiz
31	11/08/2023	4	LinkedIn Strategy and LinkedIn Demographics	PPT		LinkedIn Strategy and LinkedIn Demographics
32	14/08/2023	5	LinkedIn Native Videos and marketing Plan	PPT		LinkedIn Native Videos and marketing Plan

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Unit 3

33	16/08/2023	4	Facebook Marketing Introduction	BOARD		Facebook Marketing Introduction
34	17/08/2023	1	Paid Marketing	PPT		Paid Marketing
35	18/08/2023	1	Facebook Insights	CHALK AND TALK		Facebook Insights
36	19/08/2023	4	LinkedIn Introduction and LinkedIn Algorithm	PPT		LinkedIn Introduction and LinkedIn Algorithm
37	22/08/2023	5	LinkedIn Analytics	PPT		LinkedIn Analytics
38	23/08/2023	4	Asset Copying and LinkedIn sales Navigator	BOARD		Asset Copying and LinkedIn sales Navigator
39	24/08/2023	1	Ad Campaign and features of ad campaign	CHALK AND TALK		Ad Campaign and features of ad campaign
40	25/08/2023	1	Emerging Platforms	PPT		Emerging Platforms
41	28/08/2023	4	Emerging Platforms	PPT, CHALK AND TALK		Emerging Platforms
42	31/08/2023	5	Pinterest	PPT		Pinterest
43	01/09/2023	1	Asset Copying	ONLINE-LINK	https://www.linkedin.com/help/lms/answer/a422041	

Unit 4

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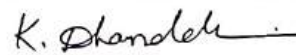


44	02/09/2023	1	Introduction -Search Engine Optimization	PPT,CHALK AND TALK		Introduction -Search Engine Optimization
45	04/09/2023	1	SEO Phases	CHALK AND TALK		SEO Phases
46	05/09/2023	4	Website Audit and Content	PPT,CHALK AND TALK		Website Audit and Content
47	06/09/2023	5	On-Page Optimization	PPT,CHALK AND TALK		On-Page Optimization
48	11/09/2023	1	On-Page Optimization	PPT,CHALK AND TALK		On-Page Optimization
49	12/09/2023	4	Off-Page Optimization	PPT,CHALK AND TALK		Off-Page Optimization
50	13/09/2023	1	Social Media Reach	PPT,CHALK AND TALK		Social Media Reach
51	14/09/2023	4	Maintenance and Local Search SEO	PPT,CHALK AND TALK		Maintenance and Local Search SEO
52	19/09/2023	5	SEO-Visual Search	CHALK AND TALK,BOARD		SEO-Visual Search
53	20/09/2023	4	SEO-Visual Search - Ranking	CHALK AND TALK		SEO-Visual Search - Ranking
54	21/09/2023	1	Subdomains vs. Subfolders	BOARD		Subdomains vs. Subfolders
55	22/09/2023	1	SEO-UX and UI	CHALK AND TALK,BOARD		SEO-UX and UI
56	23/09/2023	4	Features Provided by a Web Host	CHALK AND TALK		Features Provided by a Web Host
57	26/09/2023	5	Website Navigation and Social Media Icons	CHALK AND TALK		Website Navigation and Social Media Icons

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58	27/09/2023	4	External Links and Pop-ups	CHALK AND TALK		External Links and Pop-ups
59	03/10/2023	1	Advanced Website Features	CHALK AND TALK		Advanced Website Features
Unit 5						
60	04/10/2023	1	Introduction-Mobile Marketing	CHALK AND TALK		Introduction-Mobile Marketing
61	05/10/2023	4	Mobile Advertising and models	CHALK AND TALK		Mobile Advertising and models
62	07/10/2023	5	Mobile Marketing Toolkit	CHALK AND TALK		Mobile Marketing Toolkit
63	09/10/2023	4	Mobile Marketing Features	CHALK AND TALK		Mobile Marketing Features
64	10/10/2023	4	Mobile Analytics and Mobile apps	CHALK AND TALK		Mobile Analytics and Mobile apps
65	11/10/2023	1	Mobile Apps analytics	CHALK AND TALK		Mobile Apps analytics
66	12/10/2023	4	Introduction-Digital Analytics and Data Collection	CHALK AND TALK		Introduction-Digital Analytics and Data Collection
67	16/10/2023	5	Digital Analytics Key Metrics and outcome Analysis	CHALK AND TALK		Digital Analytics Key Metrics and outcome Analysis
68	17/10/2023	4	Digital Analytics- Experience Analysis	CHALK AND TALK		Digital Analytics- Experience Analysis
69	18/10/2023	4	Making Web Analytics Actionable and Creating High Impact	CHALK AND TALK		Making Web Analytics Actionable and Creating High Impact

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70	19/10/2023	1	Types of Tracking Codes	BOARD	https://www.lilachbullock.com/types-of-tracking-code-structures/	Types of Tracking Codes
71	20/10/2023	4	Competitive Intelligence	CHALK AND TALK		Competitive Intelligence
72	26/10/2023	5	Revision	CHALK AND TALK		Revision
73	27/10/2023	4	Revision	CHALK AND TALK		Revision
74	30/10/2023	1	Quizz	ONLINE-LINK	https://quizizz.com/join	Quizz
75	31/10/2023	1	Revision	BOARD		Revision

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : N.ALAMELU MANGAI,
Year/Semester/Section : I/I/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 23EVS101 & ENVIRONMENTAL STUDIES

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	21/06/2023	3	Evs Introduction	CHALK AND TALK		
2	30/06/2023	3	Earth environment	CHALK AND TALK		
3	10/07/2023	3	Risks and tasks	CHALK AND TALK		
Unit 2						
4	18/07/2023	3	Natural resources	CHALK AND TALK		
5	26/07/2023	3	Ecosystem	CHALK AND TALK		
6	07/08/2023	3	Bio diversity	CHALK AND TALK		
7	14/08/2023	3	Conservation	FLIPPED CLASS		



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Unit 3						
8	22/08/2023	3	Pollution	CHALK AND TALK		
9	31/08/2023	3	Environmental pollution	CHALK AND TALK		
10	08/09/2023	3	Social Issues and Environment	CHALK AND TALK		
11	19/09/2023	3	Case study	CHALK AND TALK		
Unit 4						
12	26/09/2023	3	Human Population	CHALK AND TALK		
13	07/10/2023	3	Population adversity	CHALK AND TALK		
Unit 5						
14	16/10/2023	3	Field work	CHALK AND TALK		
15	26/10/2023	3	Analysis..Chart preparation	CHALK AND TALK		



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : N.ALAMELU MANGAI,
Year/Semester/Section : II/III/AII
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 22UHR3N1 & NON MAJOR ELECTIVE PAPER - HUMAN RIGHTS

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	22/06/2023	3	HR, Definition Meaning Concept Kinds of Rights	CHALK AND TALK		
2	03/07/2023	3	Evolution and protection of HR	CHALK AND TALK		
3	11/07/2023	3	Development of HR under UN	CHALK AND TALK		
Unit 2						
4	19/07/2023	3	UN charter and HR	CHALK AND TALK		
5	27/07/2023	3	UN commission on HR	CHALK AND TALK		



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6	08/08/2023	3	Universal Declaration on HR, International Covenants	CHALK AND TALK		
Unit 3						
7	16/08/2023	3	HR and Fundamental Rights	CHALK AND TALK		
8	23/08/2023	3	Enactments and laws in India	CHALK AND TALK		
9	01/09/2023	3	National HR commission and State HR commission	CHALK AND TALK		
Unit 4						
10	11/09/2023	3	Aged persons and HR	CHALK AND TALK		
11	20/09/2023	3	HR of persons with disabilities	CHALK AND TALK		
12	27/09/2023	3	Tribal Human Rights and 3 Generations HR	CHALK AND TALK		



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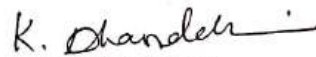


Unit 5

13	09/10/2023	3	Rights of Women, Child, Rufugees and Minorities	CHALK AND TALK		
14	17/10/2023	3	Media and HR, NGOs for protection of HR	CHALK AND TALK		
15	27/10/2023	3	Right to Election, Revision	CHALK AND TALK		


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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : PRINCY D,
Year/Semester/Section : II/III/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 22UIT304 & CORE PAPER 4 – ADVANCED JAVA PROGRAMMING

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	5	Java Evolution: History	CHALK AND TALK		Programming with Java
2	20/06/2023	4	Java Features	CHALK AND TALK		Programming with Java
3	21/06/2023	4	How Java differs from C and C++	CHALK AND TALK		Programming with Java
4	22/06/2023	5	Java and Internet, Java and WWW	CHALK AND TALK		Programming with Java
5	26/06/2023	2	Overview of Java Language: Introduction	CHALK AND TALK		Programming with Java
6	27/06/2023	5	Simple Java Program	CHALK AND TALK		Programming with Java
7	28/06/2023	4	Java Program Structure	CHALK AND TALK		Programming with Java
8	30/06/2023	4	Java Tokens	CHALK AND TALK		Programming with Java
9	03/07/2023	5	Java Statements	CHALK AND TALK		Programming with Java
10	05/07/2023	2	Revision	FLIPPED CLASS		Programming with Java

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Unit 2

11	06/07/2023	5	Constants	PPT,CHALK AND TALK		Programming with Java
12	07/07/2023	4	Variables, Data Types	PPT		Programming with Java
13	10/07/2023	4	Declaring variables, Giving Values to Variables, Scope of Variables	PPT		Programming with Java
14	11/07/2023	5	Symbolic Constants, Type Casting, Getting Values of Variables, Standard Default Values	PPT		Programming with Java
15	13/07/2023	2	Types of Operators	PPT,CHALK AND TALK		Programming with Java
16	14/07/2023	5	Decision Making and Branching:If statement, switch statement, ?: operator	PPT,CHALK AND TALK		Programming with Java
17	17/07/2023	4	Decision Making and Looping:While, do and for statement	CHALK AND TALK		Programming with Java
18	18/07/2023	4	Jumps in Loop, Labeled Loop	CHALK AND TALK		Programming with Java
19	19/07/2023	5	Defining Class, Fields Declaration, Methods Declaration, Creating Objects	PPT,CHALK AND TALK		Programming with Java


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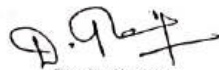


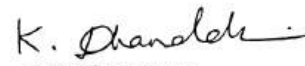
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20	21/07/2023	2	Accessing Class Members, Constructors, Method Overloading, Static Members, Nesting of Methods	PPT, CHALK AND TALK		Programming with Java
21	24/07/2023	5	Inheritance, Overriding Methods, Final Variables, Methods and Classes	PPT, CHALK AND TALK		Programming with Java
22	25/07/2023	4	Finalizer Methods, Abstract Methods and Classes, Visibility Control	PPT, CHALK AND TALK		Programming with Java
23	26/07/2023	4	Revision	FLIPPED CLASS		Programming with Java
Unit 3						
24	27/07/2023	5	Arrays: One-dimensional Arrays, Creating an Array, Two-dimensional Arrays	PPT, CHALK AND TALK		Programming with Java
25	31/07/2023	2	Strings, String Buffer Class	PPT, CHALK AND TALK		Programming with Java
26	01/08/2023	5	Defining Interfaces, Extending Interfaces, Implementing Interfaces, Accessing Interface Variables	PPT, CHALK AND TALK		Programming with Java


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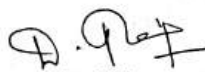


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27	02/08/2023	4	Java API Packages, Naming Conventions, Creating Packages, Accessing a Package	PPT, CHALK AND TALK		Programming with Java
28	07/08/2023	4	Using a Package, Adding a class to a Package, Hiding Classes, Static Import	PPT, CHALK AND TALK		Programming with Java
29	10/08/2023	2	Creating Threads, Extending the Thread Class, Stopping and Blocking Thread	PPT, CHALK AND TALK		Programming with Java
30	11/08/2023	5	Life Cycle of a Thread, Using Thread Methods, Thread Exceptions	PPT, CHALK AND TALK		Programming with Java
31	12/08/2023	4	Thread Priority, Synchronization, Implementing the 'Runnable' Interfaces, Inter-thread communication	PPT, CHALK AND TALK		Programming with Java
32	14/08/2023	4	Types of Errors, Exceptions, Syntax of Exception Handling Code	PPT, CHALK AND TALK		Programming with Java
33	16/08/2023	5	Multiple Catch Statements, Using finally statements, Throwing our own Exceptions	PPT, CHALK AND TALK		Programming with Java


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34	18/08/2023	2	Applet Programming - Introduction, Preparing to write applets, Building applet code	PPT, CHALK AND TALK		Programming with Java
35	19/08/2023	5	Applet Life Cycle, Designing a Web Page, Applet Tag, Adding applet to html file	PPT, CHALK AND TALK		Programming with Java
36	21/08/2023	4	Running the applet, More about applet tag, Passing parameters to applets, aligning the display	PPT, CHALK AND TALK		Programming with Java
37	22/08/2023	4	More about HTML Tags, Displaying numerical values, Getting input from the user	PPT, CHALK AND TALK		Programming with Java
38	23/08/2023	5	Revision	BOARD		Programming with Java
39	25/08/2023	2	Revision	DEMO		Programming with Java
40	28/08/2023	5	Test	CHALK AND TALK		Programming with Java
Unit 4						
41	30/08/2023	4	Concept of Streams, Stream Classes	PPT, CHALK AND TALK		Programming with Java
42	31/08/2023	4	Character Stream Classes, Using Streams, Other useful I/O Classes	PPT, CHALK AND TALK		Programming with JAVA

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43	04/09/2023	2	Using the File Class, Input/Output Exceptions, Creation of Files	PPT, CHALK AND TALK		Programming with JAVA
44	05/09/2023	5	Reading / Writing Characters	PPT, CHALK AND TALK		Programming with JAVA
45	07/09/2023	4	Handling Primitive Data Types, Random Access Files	PPT, CHALK AND TALK		Programming with JAVA
46	08/09/2023	4	What does JDBC do? , JDBC versus ODBC and Other APIs, Two-tier & three-tier Models	FILES	https://www.javatpoint.com/java-jdbc	Java 2 Programming Black Book.
47	12/09/2023	5	The JDBC Package, Types of JDBC Drivers	FILES	https://www.javatpoint.com/jdbc-driver	Java 2 Programming Black Book
48	13/09/2023	2	Java Soft Framework	FILES		Java 2 Programming Black Book
49	14/09/2023	5	Driver Interface and Driver Manager Class	FILES	https://www.javatpoint.com/DriverManager-class	Java 2 Programming Black Book
50	15/09/2023	4	The Essential JDBC Program	CHALK AND TALK, FLIPPED CLASS	https://www.javatpoint.com/steps-to-connect-to-the-database-in-java	Java 2 Programming Black Book
51	19/09/2023	4	Revision	FLIPPED CLASS		Java 2 Programming Black Book
Unit 5						
52	20/09/2023	5	Using AWT Controls: Control Fundamentals, Labels	PPT, CHALK AND TALK		The Complete Reference Java 2

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53	22/09/2023	2	Buttons, Checkboxes, Checkbox Group	PDF,PPT,CHALK AND TALK		The Complete Reference Java 2
54	23/09/2023	5	Choice Control, List, Scrollbars	PDF,PPT,CHALK AND TALK		The Complete Reference Java 2
55	25/09/2023	4	Text Field, Text Area	PDF,PPT,CHALK AND TALK		The Complete Reference Java 2
56	26/09/2023	4	Menu Bar and Menus	PPT,CHALK AND TALK		The Complete Reference Java 2
57	27/09/2023	5	Event Handling	PPT,CHALK AND TALK		The Complete Reference Java 2
58	04/10/2023	2	Action Event	PPT,CHALK AND TALK		The Complete Reference Java 2
59	05/10/2023	5	Key Event	PPT,CHALK AND TALK		The Complete Reference Java 2
60	06/10/2023	4	Mouse Event	PPT,CHALK AND TALK		The Complete Reference Java 2
61	07/10/2023	4	Mouse Wheel Event, Item Event	PPT,CHALK AND TALK		The Complete Reference Java 2
62	09/10/2023	5	Swing: Introduction	PPT,CHALK AND TALK		The Complete Reference Java 2
63	10/10/2023	5	JApplet	PPT,CHALK AND TALK		The Complete Reference Java 2
64	11/10/2023	2	TextField	PPT,CHALK AND TALK		The Complete Reference Java 2
65	12/10/2023	5	JButtons	PPT,CHALK AND TALK		The Complete Reference Java 2
66	13/10/2023	4	JCheckBox	PPT,CHALK AND TALK		The Complete Reference Java 2
67	16/10/2023	4	JRadioButtons	PPT,CHALK AND TALK		The Complete Reference Java 2

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68	17/10/2023	5	JComboBoxes	PPT,CHALK AND TALK		The Complete Reference Java 2
69	18/10/2023	5	JTabbedPane	PPT,CHALK AND TALK		The Complete Reference Java 2The Complete Reference Java 2
70	19/10/2023	2	JScrollPane	PPT,CHALK AND TALK		The Complete Reference Java 2
71	20/10/2023	5	JTrees	PPT,CHALK AND TALK		The Complete Reference Java 2
72	21/10/2023	4	Revision	FLIPPED CLASS		The Complete Reference Java 2
73	26/10/2023	4	Revision	PPT,CHALK AND TALK		The Complete Reference Java 2
74	27/10/2023	5	Test	BOARD		The Complete Reference Java 2
75	31/10/2023	2	Quiz	FLIPPED CLASS		The Complete Reference Java 2

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : PRINCY D.
Year/Semester/Section : II/III/AII
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 22UIT3CN & CORE PRACTICAL 3 – PROGRAMMING LAB - JAVA

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	20/06/2023	5	Basic Structure of Java Program	DEMO		
2	21/06/2023	1	Java Statements	DEMO		
3	23/06/2023	4	Simple Java Program	DEMO		
4	26/06/2023	4	Java Tokens	DEMO		
5	28/06/2023	5	Input and Output statements	DEMO		
6	30/06/2023	1	Model Test	LAB		


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Unit 2

7	04/07/2023	4	Constants, Variables and Data Types	LAB		
8	05/07/2023	4	Operators	DEMO		
9	07/07/2023	5	Operators	LAB		
10	10/07/2023	1	Branching	DEMO		
11	12/07/2023	4	Branching	LAB		
12	13/07/2023	4	Looping	DEMO		
13	17/07/2023	5	Looping	LAB		
14	18/07/2023	1	Classes and Objects	DEMO		
15	20/07/2023	4	Classes and Objects	LAB		
16	21/07/2023	4	Methods	DEMO		
17	25/07/2023	5	Methods	LAB		

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18	26/07/2023	1	Model Test	LAB		
Unit 3						
19	28/07/2023	4	Arrays	LAB		
20	31/07/2023	4	Strings	DEMO		
21	02/08/2023	5	Strings	LAB		
22	07/08/2023	1	Inheritance	DEMO		
23	08/08/2023	4	Inheritance	LAB		
24	09/08/2023	4	Interfaces	DEMO		
25	10/08/2023	4	Interfaces	LAB		
26	12/08/2023	5	Packages	DEMO		
27	14/08/2023	1	String operations using Packages	LAB		
28	17/08/2023	4	Multithreading	DEMO		


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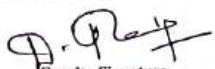


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29	18/08/2023	4	Multiplication Tables using Thread Concepts	LAB		
30	21/08/2023	5	Exceptions	DEMO		
31	22/08/2023	1	Exceptions	LAB		
32	24/08/2023	4	Applet Programming	DEMO		
33	25/08/2023	4	Graphics Programming	DEMO		
34	30/08/2023	5	Human Face using Applet	LAB		
35	31/08/2023	1	Applet Tags and HTML Tags	DEMO		
36	01/09/2023	4	Model Test	LAB		
Unit 4						
37	02/09/2023	4	Input / Output Files	LAB		
38	04/09/2023	4	Reading / Writing Characters / Bytes	DEMO		


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39	07/09/2023	5	Copying the contents from one file to another file	DEMO		
40	08/09/2023	1	Copying the contents	LAB		
41	11/09/2023	4	Model Test	LAB		
Unit 5						
42	13/09/2023	4	AWT Controls	DEMO		
43	15/09/2023	5	AWT Controls	DEMO		
44	19/09/2023	1	AWT Controls	DEMO		
45	21/09/2023	4	Changing background Colors	LAB		
46	22/09/2023	4	Changing background colors	LAB		
47	25/09/2023	5	Menus and Menu Bars	DEMO		
48	26/09/2023	1	Menu and Menu Bars	LAB		


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49	03/10/2023	4	Event Handling	DEMO		
50	04/10/2023	4	Action Event and Item Event	DEMO		
51	06/10/2023	5	Mouse Event and Mouse Wheel Event	DEMO		
52	07/10/2023	1	Key Events	DEMO		
53	11/10/2023	4	Mouse Event Operations	LAB		
54	13/10/2023	5	Swing Components	DEMO		
55	16/10/2023	1	Swing Components - Trees	DEMO		
56	19/10/2023	4	Swing Components	DEMO		
57	21/10/2023	5	Tree Viewer	LAB		
58	26/10/2023	1	Text Field and Buttons	DEMO		
59	30/10/2023	4	Check boxes and Radio Buttons	DEMO		


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60	31/10/2023	4	Model Test	LAB		
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LESSON PLAN

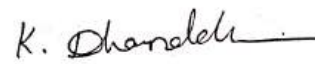
ACADEMIC YEAR : 2023-2024
Faculty Name : PRINCY D,
Year/Semester/Section : III/V/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 21UIT511 & CORE PAPER 11 – SOFTWARE ENGINEERING

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	2	Introduction to Software Engineering	CHALK AND TALK		Software Engineering - A Practitioner's Approach
2	21/06/2023	3	The Evolving Role of Software	CHALK AND TALK		Software Engineering - A Practitioner's Approach
3	22/06/2023	1	Software	CHALK AND TALK		Software Engineering - A Practitioner's Approach
4	23/06/2023	5	Changing Nature of Software	CHALK AND TALK		Software Engineering - A Practitioner's Approach
5	26/06/2023	3	Software Myths	CHALK AND TALK		Software Engineering - A Practitioner's Approach

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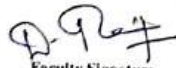
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6	27/06/2023	2	Software Engineering - A Layered Technology	CHALK AND TALK		Software Engineering - A Practitioner's Approach
7	30/06/2023	3	A Process Framework	CHALK AND TALK		Software Engineering - A Practitioner's Approach
8	03/07/2023	1	Prescriptive Models	CHALK AND TALK		Software Engineering - A Practitioner's Approach
9	04/07/2023	5	The Waterfall Model	CHALK AND TALK		Software Engineering - A Practitioner's Approach
10	05/07/2023	3	Incremental Process Models : The Incremental Model	CHALK AND TALK		Software Engineering - A Practitioner's Approach
11	06/07/2023	2	Incremental Process Models : The RAD Model	CHALK AND TALK		Software Engineering - A Practitioner's Approach
12	10/07/2023	3	Evolutionary Process Models : Prototyping	CHALK AND TALK		Software Engineering - A Practitioner's Approach
13	11/07/2023	1	Evolutionary Process Models : The Spiral Model	CHALK AND TALK		Software Engineering - A Practitioner's Approach

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14	12/07/2023	5	Evolutionary Process Models : The Concurrent Development Model	CHALK AND TALK		Software Engineering - A Practitioner's Approach
15	13/07/2023	3	Revision	CHALK AND TALK		Software Engineering - A Practitioner's Approach
Unit 2						
16	14/07/2023	2	Requirements Engineering Tasks	CHALK AND TALK		Software Engineering - A Practitioner's Approach
17	18/07/2023	3	Requirements Engineering Tasks	CHALK AND TALK		Software Engineering - A Practitioner's Approach
18	19/07/2023	1	Initiating the Requirements Engineering Process	CHALK AND TALK		Software Engineering - A Practitioner's Approach
19	20/07/2023	5	Developing Use-Cases	CHALK AND TALK		Software Engineering - A Practitioner's Approach
20	21/07/2023	3	Building the Analysis Model : Elements of the Analysis Model	CHALK AND TALK		Software Engineering - A Practitioner's Approach


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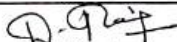


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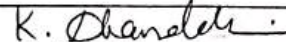
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21	24/07/2023	2	Building the Analysis Model : Analysis Patterns	CHALK AND TALK		Software Engineering - A Practitioner's Approach
22	26/07/2023	3	Negotiating Requirements, Validating Requirements	CHALK AND TALK		Software Engineering - A Practitioner's Approach
23	27/07/2023	1	Requirements Analysis	CHALK AND TALK		Software Engineering - A Practitioner's Approach
24	28/07/2023	5	Data Modeling Concepts	CHALK AND TALK		Software Engineering - A Practitioner's Approach
25	31/07/2023	3	Object-Oriented Analysis	CHALK AND TALK		Software Engineering - A Practitioner's Approach
26	01/08/2023	2	Flow Oriented Modeling : Creating a Data Flow Model	CHALK AND TALK		Software Engineering - A Practitioner's Approach
27	07/08/2023	1	Flow-Oriented Modeling : Creating a Control Flow Model	CHALK AND TALK		Software Engineering - A Practitioner's Approach
28	08/08/2023	5	Flow-Oriented Modeling : The Control Specification, The Process Specification	CHALK AND TALK		Software Engineering - A Practitioner's Approach


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29	09/08/2023	3	Revision	CHALK AND TALK		Software Engineering - A Practitioner's Approach
30	10/08/2023	3	Test	BOARD		Software Engineering - A Practitioner's Approach
Unit 3						
31	11/08/2023	2	Design Process and Design Quality	CHALK AND TALK		Software Engineering - A Practitioner's Approach
32	14/08/2023	1	Design Concepts	CHALK AND TALK		Software Engineering - A Practitioner's Approach
33	16/08/2023	1	Design Concepts	CHALK AND TALK		Software Engineering - A Practitioner's Approach
34	17/08/2023	5	The Design Model	CHALK AND TALK		Software Engineering - A Practitioner's Approach
35	18/08/2023	3	The Design Model	CHALK AND TALK		Software Engineering - A Practitioner's Approach
36	19/08/2023	2	The Golden Rules	CHALK AND TALK		Software Engineering - A Practitioner's Approach
37	22/08/2023	1	The Golden Rules	CHALK AND TALK		Software Engineering - A Practitioner's Approach
38	23/08/2023	1	User ?Interface Analysis and Design	CHALK AND TALK		Software Engineering - A Practitioner's Approach

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39	24/08/2023	5	Interface Analysis	CHALK AND TALK		Software Engineering - A Practitioner's Approach
40	25/08/2023	3	Interface Analysis	CHALK AND TALK		Software Engineering - A Practitioner's Approach
41	28/08/2023	2	Interface Design Steps	CHALK AND TALK		Software Engineering - A Practitioner's Approach
42	31/08/2023	1	Interface Design Steps	CHALK AND TALK		Software Engineering - A Practitioner's Approach
43	01/09/2023	5	Design Evaluation	CHALK AND TALK		Software Engineering - A Practitioner's Approach
44	02/09/2023	3	Revision	CHALK AND TALK		Software Engineering - A Practitioner's Approach
45	04/09/2023	5	Test	CHALK AND TALK		Software Engineering - A Practitioner's Approach
Unit 4						
46	05/09/2023	2	A Strategic Approach to Software Testing	CHALK AND TALK		Software Engineering - A Practitioner's Approach
47	08/09/2023	1	A Strategic Approach to Software Testing	CHALK AND TALK		Software Engineering - A Practitioner's Approach
48	11/09/2023	3	Strategic Issues	CHALK AND TALK		Software Engineering - A Practitioner's Approach


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49	12/09/2023	1	Test Strategies for Conventional Software	CHALK AND TALK		Software Engineering - A Practitioner's Approach
50	13/09/2023	5	Test Strategies for Conventional Software	CHALK AND TALK		Software Engineering - A Practitioner's Approach
51	14/09/2023	2	Validation Issues	CHALK AND TALK		Software Engineering - A Practitioner's Approach
52	19/09/2023	3	System Testing	CHALK AND TALK		Software Engineering - A Practitioner's Approach
53	20/09/2023	1	System Testing	CHALK AND TALK		Software Engineering - A Practitioner's Approach
54	21/09/2023	5	The Art of Debugging : The Debugging Process	CHALK AND TALK		Software Engineering - A Practitioner's Approach
55	22/09/2023	3	The Art of Debugging : Psychological Considerations	CHALK AND TALK		Software Engineering - A Practitioner's Approach
56	23/09/2023	2	The Art of Debugging : Debugging Strategies	CHALK AND TALK		Software Engineering - A Practitioner's Approach

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57	26/09/2023	3	The Art of Debugging : Correcting the Errors	CHALK AND TALK		Software Engineering - A Practitioner's Approach
58	27/09/2023	3	Revision	CHALK AND TALK		Software Engineering - A Practitioner's Approach
59	03/10/2023	1	Discussion	CHALK AND TALK		Software Engineering - A Practitioner's Approach
60	04/10/2023	5	Test	CHALK AND TALK		Software Engineering - A Practitioner's Approach
Unit 5						
61	05/10/2023	2	Software Testing Fundamentals	CHALK AND TALK		Software Engineering - A Practitioner's Approach
62	07/10/2023	3	White-Box Testing	CHALK AND TALK		Software Engineering - A Practitioner's Approach
63	09/10/2023	3	Basis Path Testing : Flow Graph Notation	CHALK AND TALK		Software Engineering - A Practitioner's Approach
64	10/10/2023	1	Basis Path Testing : Independent Program Paths	CHALK AND TALK		Software Engineering - A Practitioner's Approach


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65	11/10/2023	5	Basis Path Testing : Deriving Test Cases, Graph Metrics	CHALK AND TALK		Software Engineering - A Practitioner's Approach
66	12/10/2023	2	Control Structure Testing	CHALK AND TALK		Software Engineering - A Practitioner's Approach
67	16/10/2023	3	Black-Box Testing	CHALK AND TALK		Software Engineering - A Practitioner's Approach
68	17/10/2023	3	Black-Box Testing	CHALK AND TALK		Software Engineering - A Practitioner's Approach
69	18/10/2023	1	Software Quality	CHALK AND TALK		Software Engineering - A Practitioner's Approach
70	19/10/2023	5	Business Process Reengineering	CHALK AND TALK		Software Engineering - A Practitioner's Approach
71	20/10/2023	2	Software Reengineering	CHALK AND TALK		Software Engineering - A Practitioner's Approach
72	26/10/2023	3	Reverse Engineering	CHALK AND TALK		Software Engineering - A Practitioner's Approach
73	27/10/2023	1	Restructuring	CHALK AND TALK		Software Engineering - A Practitioner's Approach
74	30/10/2023	5	Revision	CHALK AND TALK		Software Engineering - A Practitioner's Approach

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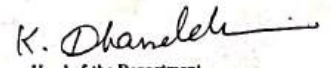


75	31/10/2023	3	Test	PPT		Software Engineering - A Practitioner's Approach
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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : N.ALAMELU MANGAI,
Year/Semester/Section : III/V/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 21UIT5CP & CORE PRACTICAL V - PROGRAMMING LAB- WEB TECHNOLOGY

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	5	Sample HTML Program	DEMO	https://www.w3schools.com/html/default.asp	
2	20/06/2023	1	Sample Program - Simple Tags	DEMO	https://www.w3schools.com/html/html_basic.asp	
3	21/06/2023	4	Sample Programs - Elements	ONLINE-LINK	https://www.w3schools.com/html/html_elements.asp	
4	22/06/2023	5	Sample Program - Attributes	DEMO	https://www.w3schools.com/html/html_elements.asp	
5	23/06/2023	3	Ex 1 Design a Web Page for Your Department	LAB	https://www.w3schools.com/html/html_paragraphs.asp	
6	26/06/2023	5	Design a Web Page for Your Department - Home	LAB		
7	27/06/2023	5	Design a Web Page for Your Department - Page 1 and Page 2	LAB		

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8	28/06/2023	1	Design a Web Page for Your Department - Page 3	DEMO		
9	30/06/2023	4	Design a Web Page for Your Department - Page 4	DEMO		
10	03/07/2023	5	Sample Program - Text Formatting	DEMO	https://www.w3schools.com/html/html_formatting.asp	
11	04/07/2023	3	Sample Program - Text Formatting	DEMO	https://www.w3schools.com/html/html_formatting.asp	
12	05/07/2023	5	Sample Programs - Colors	DEMO	https://www.w3schools.com/html/html_colors.asp	
13	06/07/2023	5	Sample Programs - Images	DEMO	https://www.w3schools.com/html/html_images.asp	
14	07/07/2023	1	Sample Program - Lists	DEMO	https://www.w3schools.com/html/html_lists.asp	
15	10/07/2023	4	Ex 2 Design a Web Page for Library Management System Using HTML tags	LAB		
16	11/07/2023	5	Design a Web Page for Library Management System Using HTML tags	DEMO		
17	12/07/2023	3	Design a Web Page for Library Management System Using HTML tags	DEMO		
18	13/07/2023	5	Design a Web Page for Library Management System Using HTML tags	DEMO		

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Unit 2

19	14/07/2023	5	cascading style sheets	LAB	https://www.w3schools.com/css/default.asp	Sample programs
20	17/07/2023	1	Inline styles	LAB		
21	18/07/2023	4	Embed styles	LAB, BOARD		
22	19/07/2023	5	Embed style	LAB		
23	20/07/2023	3	External style	LAB		
24	21/07/2023	5	External style	LAB		
25	24/07/2023	5	Javascript	LAB		
26	25/07/2023	1	Ex 2 Developing a Web page for library management system using HTML tags.	LAB		
27	26/07/2023	4	Ex3 Developing a company web page using html tags	LAB		

Unit 3

28	27/07/2023	5	Javascript embed	LAB		
29	28/07/2023	3	Ex3 Designing a Company Web page using css	LAB		

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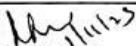
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30	31/07/2023	5	Ex 3 Designing a Web page for a company using CSS	LAB		
31	01/08/2023	5	Ex 3 Company Web page using CSS	LAB		
32	02/08/2023	1	Javascript... button functions	LAB		
33	07/08/2023	5	Javascript button click	LAB		
34	08/08/2023	3	Javascript button click	LAB		
35	09/08/2023	5	Ex 4 Developing a College application form and validation using Javascript	LAB		
36	10/08/2023	5	Ex 4 Developing a college application form and validation using Javascript	LAB		
37	11/08/2023	5	Ex 4 Developing a college application form and validation using Javascript	LAB		
38	12/08/2023	1	Ex 4 Developing a college application form and validation using Javascript	LAB		
39	14/08/2023	5	Ex 4 Developing a college application form and validation using Javascript	LAB		
40	16/08/2023	5	Ex 4 Developing a college application form and validation using Javascript	LAB		

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41	17/05/2023	3	Ex 5 Designing a Web page for students mark list preparation using CSS and validation using Javascript	LAB		
42	18/05/2023	5	Ex 5 Developing a web page for students mark list preparation using CSS and validation using Javascript	LAB		
43	19/05/2023	5	Ex 5 Designing a Web page for students marklist preparation using CSS and validation using Javascript	LAB		
44	21/05/2023	1	Xml sample Programming	LAB		
45	22/05/2023	5	Xml sample program	LAB		
46	23/05/2023	5	Xml Programming	LAB		
47	24/05/2023	3	Xml sample Programming	LAB		
48	25/05/2023	5	Xml css	LAB		
49	26/05/2023	5	Xml CSS	LAB		
50	30/05/2023	1	Xml sample	LAB		
51	31/05/2023	5	Ajax sample Programming	LAB		

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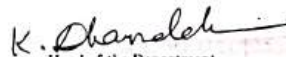


52	01/09/2023	3	Ajax sample Programming	LAB		
53	02/09/2023	5	Ajax sample Programming	LAB		
54	04/09/2023	3	Ajax sample Programming	LAB		
Unit 4						
55	05/09/2023	5	Php sample Programming	LAB		
56	07/09/2023	1	Php sample Programming	LAB		
57	08/09/2023	5	Php sample Programming	LAB		
58	11/09/2023	4	Php sample	LAB		
59	12/09/2023	5	Php loops	LAB		
60	13/09/2023	3	Ex6 Developing a php Program to check message passing mechanism between pages	LAB		
61	14/09/2023	5	Ex6 Php sample Programming for message passing between pages	LAB		
62	15/09/2023	1	Ex 6 Php program for message passing mechanism between web pages	LAB		

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63	19/09/2023	4	Ex 6 Php program for message passing mechanism between web pages	LAB		
64	20/09/2023	5	Ex7 Php program for String and Array functions	LAB		
65	21/09/2023	3	Ex 7 Php program for String and Array functions	LAB		
66	22/09/2023	5	Ex 7 Php program for string and array functions	LAB		
67	23/09/2023	5	Ex 7 Program for String and Array Functions	LAB		
68	25/09/2023	1	Ex 7 Php program for String and Array functions	LAB		
69	26/09/2023	4	Program for String and Array functions	LAB		
70	27/09/2023	4	Php Program for String and Array functions	LAB		
71	03/10/2023	5	Ex 7 Php program String and Array functions	LAB		
72	04/10/2023	3	Php Class sample Programming	LAB		

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Unit 5

73	05/10/2023	5	Php class sample Programming	LAB		
74	06/10/2023	1	Ex 8 Php program using the concept of classes	LAB		
75	07/10/2023	4	Ex 8 Php program using the concept of classes	LAB		
76	09/10/2023	4	Ex 8 Php program using the concept of classes	LAB		
77	10/10/2023	5	Ex 8 Php program using the concept of classes	LAB		
78	11/10/2023	3	Ex 8 Php program using the concept of classes	LAB		
79	12/10/2023	5	Ex 8 Php program using the concept of classes	LAB		
80	13/10/2023	1	Xml ajax php sample Programming	LAB		
81	16/10/2023	4	Xml Ajax Php sample Programming	LAB		
82	17/10/2023	4	Ex 9 Web Page Fetching information from XML with Ajax. Concept	LAB		

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K. Dhanalakshmi
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83	18/10/2023	5	Ex 9 Web page Fetching information from XML with Ajax.. Web page creation	LAB		
84	19/10/2023	3	Ex 9 Web page Fetching information from XML with Ajax... Xml creation	LAB		
85	20/10/2023	5	Ex 9 Web page Fetching information from XML with Ajax.. Php program using Ajax	LAB		
86	21/10/2023	1	Ex 10 Program using Ajax with Php to demonstrate web page communication with web server while user types input field	LAB		
87	26/10/2023	4	Ex 10 program using Ajax with php to demonstrate web page communication with web server while user types characters in input field	LAB		
88	27/10/2023	5	Ex 10 program using Ajax using php demonstrate a web page communication web server while typing in input field	LAB		

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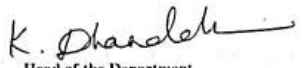


89	30/10/2023	3	Ex 10 program using Ajax with php demonstrate web page communication with web server while user types data in input field	LAB		
90	31/10/2023	5	Revision	LAB		

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : N.ALAMELU MANGAI,
Year/Semester/Section : III/V/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 21UIT510 & CORE PAPER 10 – WEB TECHNOLOGY

S.No	Date	Hours	Topics	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	4	Introduction to HTML	BOARD		Chapter 1
2	20/06/2023	2	Editing HTML	BOARD		Chapter 2
3	21/06/2023	2	Common Tags	BOARD	https://www.w3schools.com/html/html_basic.asp	Common Tags
4	22/06/2023	4	Headers	BOARD	https://www.w3schools.com/html/html_headings.asp	Chapter 2
5	23/06/2023	1	Text Styling	CHALK AND TALK	https://www.w3schools.com/html/html_styles.asp	Chapter 2
6	26/06/2023	2	Linking Images	CHALK AND TALK		Chapter 2.6
7	27/06/2023	4	Special Characters and Horizontal Rules	CHALK AND TALK		Chapter 2
8	28/06/2023	2	Lists	CHALK AND TALK		Chapter 2.9
9	30/06/2023	2	Chapter 2.10	CHALK AND TALK		Chapter 2.10
10	03/07/2023	4	Basic HTML Forms	CHALK AND TALK		Chapter 2.11
11	04/07/2023	1	Cascading Style Sheets	CHALK AND TALK		
12	05/07/2023	2	Inline Styles	CHALK AND TALK		CSS -
13	06/07/2023	4	Creating style sheets with style elements	CHALK AND TALK		Chapter 4
14	07/07/2023	2	Linking Style Sheets	CHALK AND TALK		Chapter 4.5

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12	10/07/2023	2	Positioning Elements	CHALK AND TALK		Chapter
16	11/07/2023	4	Fonts - styles	LAB	https://www.w3schools.com/tags/tag_font.asp	
17	12/07/2023	1	FORM	LAB	https://www.w3schools.com/tags/tag_form.asp	
18	13/07/2023	2	CSS - Layout position	CHALK AND TALK	https://www.w3schools.com/css/css_positioning.asp	
Unit 2						
19	14/07/2023	4	XML - Introduction	CHALK AND TALK		
20	17/07/2023	2	Structuring Data	CHALK AND TALK		Chapter 15
21	18/07/2023	2	Structuring Data	CHALK AND TALK		
22	19/07/2023	4	XML Namespaces	CHALK AND TALK		
23	20/07/2023	1	Document Type Definition	CHALK AND TALK		Chapter 15.5
24	21/07/2023	2	Customized Markup Languages	PDF	https://www.geeksforgeeks.org/explain-different-markup-languages-other-than-html/	
25	24/07/2023	4	XML Parsers	ONLINE-LINK	https://www.javatpoint.com/xml-parsers	
26	25/07/2023	2	XML Parsers	ONLINE-LINK	https://www.javatpoint.com/xml-parsers	
27	26/07/2023	2	Using XML with HTML	ONLINE-LINK	https://www.w3schools.com/xml/xml_usedfor.asp#:~:text=XML%20is%20a%20Complement.and%20display%20the%20same%20data.	
28	27/07/2023	4	XML with HTML	ONLINE-LINK	https://www.w3schools.com/xml/xml_usedfor.asp#:~:text=XML%20is%20a%20Complement.and%20display%20the%20same%20data.	
29	28/07/2023	1	Extensible Style Language	CHALK AND TALK		Chapter 15.8
30	31/07/2023	2	JavaScript	CHALK AND TALK		Chapter 6
31	01/08/2023	4	History of Java Scripting	CHALK AND TALK		
32	02/08/2023	2	Javascript Functions	CHALK AND TALK		Chapter 9
33	07/08/2023	4	Functions	CHALK AND TALK		Functions
34	08/08/2023	1	Storing data in variables	CHALK AND TALK	https://www.w3schools.com/js/js_variables.asp	

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K. Chandela
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35	09/08/2023	2	JavaScript Operators	LAB	https://www.w3schools.com/js/_operators.asp	
36	10/08/2023	4	Making Decisions with if statements	LAB	https://www.w3schools.com/js/_if_else.asp	
37	11/08/2023	2	Working with Loops	CHALK AND TALK	https://www.w3schools.com/js/_loop_for.asp	
38	12/08/2023	4	Connecting Javascript with Buttons	LAB	https://www.w3schools.com/js/default.asp	
Unit 3						
39	14/08/2023	2	Creating Ajax Applications	PDF, CHALK AND TALK	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
40	16/08/2023	4	Creating Ajax Applications	CHALK AND TALK	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
41	17/08/2023	1	Writing Ajax	CHALK AND TALK	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
42	18/08/2023	2	Writing Ajax	CHALK AND TALK	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
43	19/08/2023	4	Setting up Ajax Application	CHALK AND TALK	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
44	21/08/2023	2	Setting up Application	LAB	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
45	22/08/2023	2	Writing JavaScript	CHALK AND TALK	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
46	23/08/2023	4	Writing JavaScript	CHALK AND TALK	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
47	24/08/2023	1	Creating an XML Http Request Object	PDF	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
48	25/08/2023	2	Creating an XML Http Request Object	CHALK AND TALK	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
49	26/08/2023	4	Opening XML Http Request Object	CHALK AND TALK	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
50	30/08/2023	2	Passing data to server side script	PDF	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
51	31/08/2023	4	Introducing Ajax frameworks	CHALK AND TALK	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
52	01/09/2023	1	Using Ajax Utility	CHALK AND TALK	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
53	02/09/2023	2	Revision	CHALK AND TALK	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	
54	04/09/2023	1	Interacting with server side code	PDF	http://ommedketha.in/af-lib/17efwmmzwalz9mujgpdx4w97by2.pdf	



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Unit 4

55	05/09/2023	2	Using Ajax Utility Library	CHALK AND TALK	http://ommodateth.riaf.ih/17sfwzswalz29mojgpt4dw97by2.pdf	
56	07/09/2023	4	PHP Introduction	CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
57	08/09/2023	2	PHP Basic development concepts	PDF, CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
58	11/09/2023	2	Basic Concepts	PDF	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
59	12/09/2023	4	Creating First PHP scripts	CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
60	13/09/2023	1	PHP Sample Programs	CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
61	14/09/2023	2	Creating PHP Scripts	CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
62	15/09/2023	4	Using variables and operators	CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
63	18/09/2023	2	Programs	CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
64	19/09/2023	2	storing data in variables	CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
65	20/09/2023	4	Using Constants	CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
66	21/09/2023	1	Constants Programs	CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
67	22/09/2023	2	Manipulating variables with operators	CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
68	25/09/2023	4	Variables operators programs	CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
69	26/09/2023	2	Simple conditional statements	PDF	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
70	27/09/2023	2	Simple conditional statements	CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
71	03/10/2023	4	Writing more complex conditional statements	CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	
72	04/10/2023	1	Writing more complex conditional statements	CHALK AND TALK	http://englishonlineclub.com/pdf/PHP%20-%20A%20Beginner%E2%80%99%E2%80%A2%20Guid%20EnglishOnlineClub.com.pdf	

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Coordinator

K. Dhaneesh
Head of the Department

K. Dhandele
Head of the Department



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Unit				
01	31/10/2023	2		


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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : ASWINI S,
Year/Semester/Section : III/VI/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 21UIT6E2 & MAJOR ELECTIVE PAPER 2 - ARTIFICIAL INTELLIGENCE

S.No	Date	Topic	Delivery Methods	Link	Book Refered
Unit 1					
1	04/03/2024	Introduction-AI	CHALK AND TALK		Introduction-AI
2	04/03/2024	AI Problems and AI techniques	CHALK AND TALK		AI Problems - AI techniques Chapter 1, Page-1-10
3	04/03/2024	Criteria for success, Problems, & Problem Spaces	CHALK AND TALK		Criteria for success, Problems, & Problem Spaces Chapter 1, Page-10-20
4	07/03/2024	Search: State space search	CHALK AND TALK		Search: State space search Chapter 1, Page-20-30
5	08/03/2024	Production Systems	CHALK AND TALK		Production Systems Chapter 1, Page-30-35
6	11/03/2024	Online Gaming Algorithm	LINK	https://www.youtube.com/watch?v=...	Online Gaming Algorithm Chapter 1
7	13/03/2024	Problem Characteristics	CHALK AND TALK		Problem Characteristics Chapter 1, Page-35-40
8	13/03/2024	Problem Characteristics online gaming algorithm	ONLINE LINK		Problem Characteristics online gaming algorithm Chapter 1, Page-35-40
9	14/03/2024	Issues in design of Search	CHALK AND TALK		Issues in design of Search Chapter 1, Page-40-45
10	19/03/2024	Online Quiz	ONLINE LINK	https://www.google.com/search?q=...	Online Quiz Chapter 1
11	18/03/2024	Criteria for Success	CHALK AND TALK		Criteria for Success Chapter 1, Page-30-35
12	19/03/2024	Control Strategies	CHALK AND TALK		Control Strategies Chapter 1, Page-35-40
13	20/03/2024	Control Strategies Eg	CHALK AND TALK/ONLINE LINK	https://www.youtube.com/watch?v=...	Control Strategies Chapter 1, Page-35-40
14	20/03/2024	Unit 1 Test	BOARD		Unit 1 Test Chapter 1
15	21/03/2024	Problem State Space Search Online Test	ONLINE LINK		Problem State Space Search Online Test Chapter 1
Unit 2					
16	26/03/2024	Heuristic Search techniques:	CHALK AND TALK		Heuristic Search techniques Chapter 2, Page-50-55
17	27/03/2024	Greedy and Best	CHALK AND TALK		Greedy and Best Chapter 2, Page-55-60
18	28/03/2024	Hill Climbing	CHALK AND TALK		Hill Climbing Chapter 2, Page-60-65
19	29/03/2024	Hill Climbing	CHALK AND TALK		Hill Climbing Chapter 2, Page-60-65
20	30/03/2024	Best-First Search	CHALK AND TALK		Best-First Search Chapter 2, Page-65-70
21	30/03/2024	Best-First Search	CHALK AND TALK		Best-First Search Chapter 2, Page-65-70
22	30/03/2024	OR Graphs	CHALK AND TALK		OR Graphs Chapter 2, Page-70-75
23	30/03/2024	A* Algorithm	CHALK AND TALK		A* Algorithm Chapter 2, Page-75-80
24	11/04/2024	Problem Reduction	CHALK AND TALK		Problem Reduction Chapter 2, Page-80-85
25	12/04/2024	AND-OR Graph	CHALK AND TALK		AND-OR Graph Chapter 2, Page-85-90

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[S. Aswini]

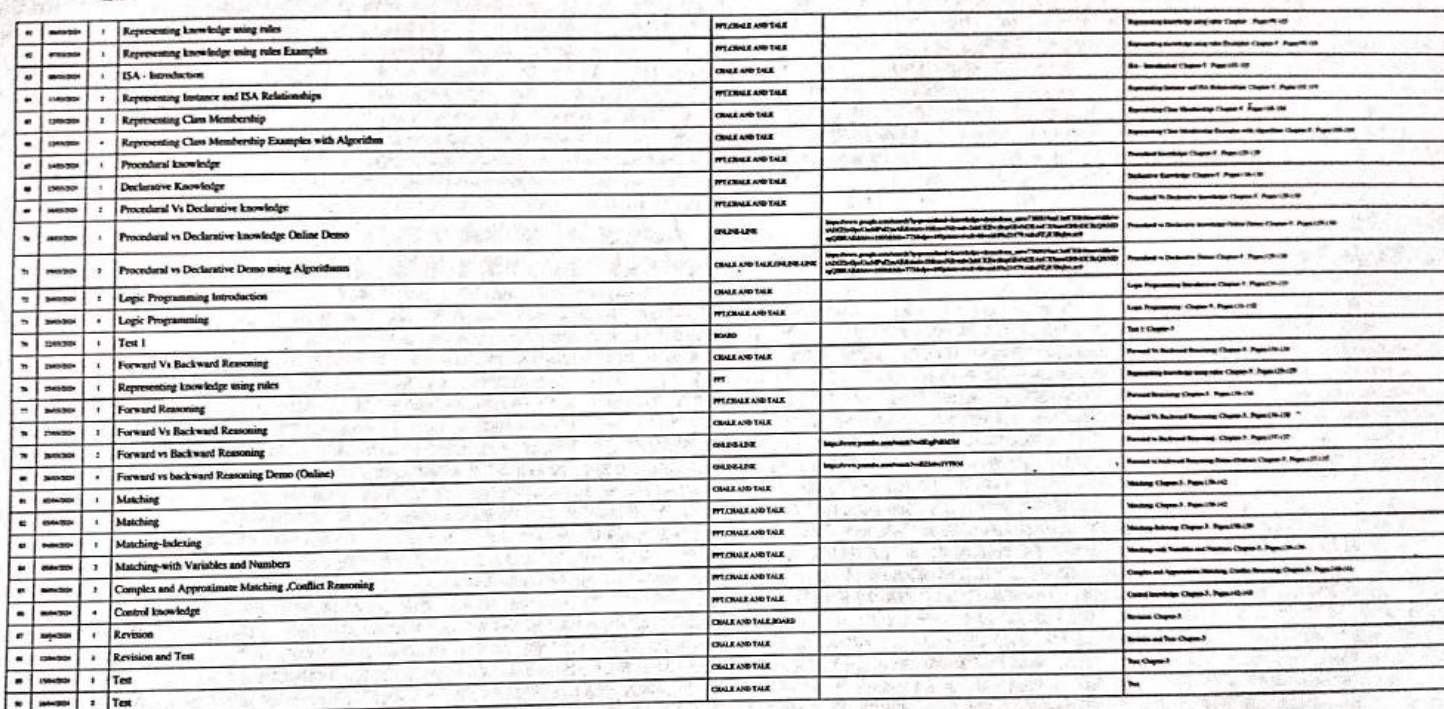
Coordinator

K. Dhaneesh
Head of the Department

20	12012024	1	AO* Algorithm	CHALK AND TALK		AO* Algorithm Chapter 3, Page#148
21	12012024	4	Constraint Satisfaction	CHALK AND TALK		Constraint Satisfaction Chapter 2, Page#61-71
26	30012024	1	Constraint Satisfaction	CHALK AND TALK		Constraint Satisfaction Chapter 2, Page#61-71
29	12012024	1	Constraint Satisfaction Algorithm	CHALK AND TALK ONLINE	https://www.andrew.cmu.edu/user/andrew/	Constraint Satisfaction Algorithm Chapter 2, Page#61-69
30	30012024	1	Means-ends analysis	CHALK AND TALK		Means-ends analysis Chapter 2, Page#73-79
Unit 3						
31	30012024	3	Knowledge representation issues	CHALK AND TALK		Knowledge representation issues Chapter 3, Page#79-88
32	31012024	3	Knowledge representation issues Algorithms	CHALK AND TALK		Knowledge representation issues Algorithms Chapter 3, Page#89-94
33	31012024	4	Representations and mappings	CHALK AND TALK		Representations and mappings Chapter 3, Page#95-98
34	30012024	1	Representations and mappings Algorithm	CHALK AND TALK		Representations and mappings Chapter 3, Page#98-99
35	30012024	3	Approaches to Knowledge representations	CHALK AND TALK		Approaches to Knowledge representations Chapter 3, Page#100-101
36	30012024	1	Approaches to Knowledge representations-Inheritable Knowledge	CHALK AND TALK		Approaches to Knowledge representations-Inheritable Knowledge Chapter 3, Page#101-104
37	30012024	1	Approaches to Knowledge representations-Inferential Knowledge	CHALK AND TALK		Approaches to Knowledge representations-Inferential Knowledge Chapter 3, Page#104-107
38	30012024	3	Approaches to Knowledge representations-Procedural Knowledge	CHALK AND TALK		Approaches to Knowledge representations-Procedural Knowledge Chapter 3, Page#107-108
39	30012024	2	Issues in Knowledge representations	CHALK AND TALK		Issues in Knowledge representations Chapter 3, Page#109-111
40	30012024	4	Issues in Knowledge representations-Important Attributes	CHALK AND TALK		Issues in Knowledge representations-Important Attributes Chapter 3, Page#111-112
41	12012024	1	Issues in Knowledge representations-Relationships among Attributes	CHALK AND TALK		Issues in Knowledge representations-Relationships among Attributes Chapter 3, Page#112-113
42	12012024	1	Issues in Knowledge representations-Isa Hierarchy Attributes	CHALK AND TALK		Issues in Knowledge representations-Isa Hierarchy Attributes Chapter 3, Page#113-114
43	11012024	2	Issues in Knowledge representations-Techniques for Reasoning about values	CHALK AND TALK		Issues in Knowledge representations-Techniques for Reasoning about values Chapter 3, Page#114-115
44	12012024	3	Issues in Knowledge representations-Choosing the Granularity of Representation	CHALK AND TALK		Issues in Knowledge representations-Choosing the Granularity of Representation Chapter 3, Page#115-116
45	12012024	4	Frame Problem	CHALK AND TALK		Frame Problem Chapter 3, Page#116-117
Unit 4						
46	17012024	3	Using Predicate logic	PPT		Using Predicate logic Chapter 4, Page#118-119
47	17012024	4	Representing simple facts in logic	PPT		Representing simple facts in logic Chapter 4, Page#120-121
48	19012024	1	Representing simple facts in logic	PPT		Representing simple facts in logic Chapter 4, Page#121-123
49	30012024	1	Representing Instance and Its Relationship	PPT		Representing Instance and Its Relationship Chapter 4, Page#123-124
50	31012024	1	Representing Instance and Its relationship	CHALK AND TALK ONLINE	https://www.andrew.cmu.edu/user/andrew/	Relationships Chapter 4, Page#124-125
51	12012024	3	Comparable functions and predicates	PPT		Comparable functions and predicates Chapter 4, Page#125-126
52	12012024	3	Comparable functions and predicates	PPT		Comparable functions and predicates Chapter 4, Page#126-128
53	12012024	4	Test	PPT		Test Chapter 4
54	17012024	1	Resolution	PPT		Resolution Chapter 4, Page#128-129
55	30012024	1	Natural deduction	PPT		Natural deduction Chapter 4, Page#129-130
56	30012024	1	Natural deduction Algorithm	PPT	https://www.andrew.cmu.edu/user/andrew/	Natural deduction Algorithm Chapter 4, Page#130-131
57	31012024	3	Quiz	LINK		Quiz Chapter 4
58	01012024	1	Natural deduction	ONLINE LINK	https://www.youtube.com/watch?v=Vg4baw_u4dI	Natural deduction Chapter 4, Page#131-132
59	01012024	2	Resolution Methods	ONLINE LINK	https://www.youtube.com/watch?v=620000y8y8k	Resolution Methods Chapter 4, Page#132-133
60	01012024	4	Natural deduction is artificial intelligence user interface design	CHALK AND TALK ONLINE LINK	https://www.youtube.com/watch?v=Vg4baw_u4dI	Natural deduction is artificial intelligence user interface design Chapter 4, Page#133-134
Unit 5						

Head of the Department

[S. Aswini]



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K. Dhande
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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : DEEPA N.
Year/Semester/Section : I/II/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 23UIT202 & CORE PAPER 2 - COMPUTER ORGANIZATION AND ARCHITECTURE

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	1	Introduction-Number System and Codes	CHALK AND TALK		Introduction-Number System and Codes: Chapter-1, Pages:171-173
2	05/12/2023	5	Binary Number System	CHALK AND TALK		Binary Number System : Chapter-1, Pages:172-173
3	06/12/2023	4	Binary-to-decimal Conversion	CHALK AND TALK		Binary-to-decimal Conversion : Chapter-1, Pages:173-176
4	08/12/2023	2	Decimal-to-binary Conversion	CHALK AND TALK		Decimal-to-binary Conversion : Chapter-1, Pages:173-176
5	12/12/2023	1	Octal Numbers ,Hexa decimal Numbers	CHALK AND TALK		Octal Numbers ,Hexa decimal Numbers: Chapter-1, Pages:177-180

N. A. H
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6	13/12/2023	5	The ASCII Code	CHALK AND TALK		The ASCII Code: Chapter-1 , Pages:180-182
7	14/12/2023	4	The Excess-3 Code	CHALK AND TALK		The Excess-3 Code: Chapter-1 , Pages:182-185
8	18/12/2023	2	Gray Code	CHALK AND TALK		Gray Code: Chapter-1 , Pages:185-186
9	20/12/2023	1	Digital Logic , The Basic Gates	CHALK AND TALK		Digital Logic , The Basic Gates: Chapter-1 , Pages:186-189
10	21/12/2023	5	NOT, OR, AND Gates	CHALK AND TALK		NOT, OR, AND Gates: Chapter-1 , Pages:188-189
11	22/12/2023	4	The Universal Gates – NOR, NAND	CHALK AND TALK		The Universal Gates – NOR, NAND: Chapter-1 , Pages:190-194
12	27/12/2023	2	Test	CHALK AND TALK		Test: Chapter-1 , Pages:191-192
Unit 2						
13	02/01/2024	5	Arithmetic Circuits ,Binary Addition	CHALK AND TALK		Arithmetic Circuits ,Binary Addition: Chapter-2
14	03/01/2024	4	Binary Subtraction	CHALK AND TALK		Binary Subtraction: Chapter-2 , Pages:203-205

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15	05/01/2024	2	Binary Multiplication and Division	CHALK AND TALK		Binary Multiplication and Division: Chapter-2 , Pages:203-205
16	09/01/2024	1	Combinational Logic Circuits	CHALK AND TALK		Combinational Logic Circuits: Chapter-2 , Pages:205-207
17	10/01/2024	5	Boolean Laws and Theorems	CHALK AND TALK		Boolean Laws and Theorems: Chapter-2 , Pages:208-209
18	11/01/2024	4	Sum-of-products Method	CHALK AND TALK		Sum-of-products Method: Chapter-2 , Pages:211-213
19	22/01/2024	1	Truth Table to Karnaugh Map	CHALK AND TALK		Truth Table to Karnaugh Map: Chapter-2 , Pages:213-215
20	23/01/2024	5	Truth Table to Karnaugh Map – Pairs	CHALK AND TALK		Truth Table to Karnaugh Map – Pairs: Chapter-2 , Pages:213-215
21	24/01/2024	4	Truth Table to Karnaugh Map -Quads	CHALK AND TALK		Truth Table to Karnaugh Map -Quads: Chapter-2 , Pages:215-216
22	29/01/2024	2	Truth Table to Karnaugh Map – Octets	CHALK AND TALK		Truth Table to Karnaugh Map – Octets: Chapter-2 , Pages:216-217

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23	31/01/2024	1	Karnaugh Simplifications	CHALK AND TALK		Karnaugh Simplifications: Chapter-2 , Pages:218-219
24	01/02/2024	5	Don't-care Conditions , Product-of-sums Method	CHALK AND TALK		Don't-care Conditions , Product-of-sums Method: Chapter-2 , Pages:220-221
25	02/02/2024	4	Test	CHALK AND TALK		Test: Chapter-2 , Pages:221-223
Unit 3						
26	06/02/2024	2	Data-Processing Circuits	CHALK AND TALK		Data-Processing Circuits: Chapter-3 , Pages:227-228
27	08/02/2024	1	Multiplexers, Demultiplexer	CHALK AND TALK		Multiplexers, Demultiplexer: Chapter-3 , Pages:229-230
28	09/02/2024	5	1-of-16Decoder, BCD-to- decimal	CHALK AND TALK		1-of-16Decoder, BCD-to-decimal: Chapter-3 , Pages:231-233
29	13/02/2024	2	BCD-to-decimal	CHALK AND TALK		BCD-to-decimal: Chapter-3 , Pages:234-235
30	15/02/2024	1	Decoders	CHALK AND TALK		Decoders: Chapter-3 , Pages:235-236
31	16/02/2024	5	Encoders	CHALK AND TALK		Encoders: Chapter-3 , Pages:236-237
32	17/02/2024	1	Flip-Flops: RS Flip-flops	CHALK AND TALK		Flip-Flops: RS Flip-flops: Chapter-3 , Pages:236-238

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33	19/02/2024	4	Edge-triggered RS Flip-flops	CHALK AND TALK		Edge-triggered RS Flip-flops: Chapter-3 , Pages:238-240
34	21/02/2024	2	Edge, triggered D Flip-flops	CHALK AND TALK		Edge, triggered D Flip-flops: Chapter-3 , Pages:240-242
35	23/02/2024	1	Edge, triggered JK Flip-flops	CHALK AND TALK		Edge, triggered JK Flip-flops: Chapter-3 , Pages:242-245
36	26/02/2024	5	quiz	CHALK AND TALK		quiz: Chapter-3 , Pages:245-247
Unit 4						
37	27/02/2024	4	Central Processing Unit: General Register Organization	CHALK AND TALK		Central Processing Unit: General Register Organization: Chapter-4 , Pages:276-278
38	29/02/2024	2	Stack Organization	CHALK AND TALK		Stack Organization: Chapter-4 , Pages:278-279
39	02/03/2024	2	Instruction Formats	CHALK AND TALK		Instruction Formats: Chapter-4 , Pages:279-280
40	04/03/2024	1	Addressing Modes	CHALK AND TALK		Addressing Modes: Chapter-4 , Pages:281-283

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41	05/03/2024	5	Input-Output Organization: Peripheral Devices	CHALK AND TALK		Input-Output Organization: Peripheral Devices: Chapter-4 , Pages:283-285
42	06/03/2024	4	Input- Output Interface	CHALK AND TALK		Input- Output Interface: Chapter-4 , Pages:285-287
43	08/03/2024	2	Asynchronous Data Transfer: Strobe Control and Handshaking	CHALK AND TALK		Asynchronous Data Transfer: Strobe Control and Handshaking: Chapter-4 , Pages:287-289
44	12/03/2024	1	Asynchronous Data Transfer	CHALK AND TALK		Asynchronous Data Transfer: Chapter-4 , Pages:289-291
45	13/03/2024	5	Strobe Control and Handshaking , Priority Interrupt	CHALK AND TALK		Strobe Control and Handshaking , Priority Interrupt: Chapter-4 , Pages:291-295
46	14/03/2024	4	Direct Memory Access , Input -Output Processor	CHALK AND TALK		Direct Memory Access , Input -Output Processor: Chapter-4 , Pages:295-297
47	18/03/2024	2	Serial Communication	CHALK AND TALK		Serial Communication: Chapter-4 , Pages:297-297
48	20/03/2024	1	Quiz	ONLINE-LINK		Quiz: Chapter-4 , Pages:299-305

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Unit 5

49	21/03/2024	5	Memory Organization: Memory Hierarchy, Main Memory	CHALK AND TALK		Memory Organization: Memory Hierarchy, Main Memory: Chapter-5 , Pages:307-309
50	22/03/2024	4	Cache Memory ,Virtual Memory	CHALK AND TALK		Cache Memory ,Virtual Memory: Chapter-5 , Pages:309-311
51	23/03/2024	4	Multiprocessors Introduction	CHALK AND TALK		Multiprocessors Introduction: Chapter-5 , Pages:312-313
52	26/03/2024	2	Characteristics of Multiprocessors	CHALK AND TALK		Characteristics of Multiprocessors: Chapter-5 , Pages:313-315
53	28/03/2024	1	Multiprocessors, Interconnection Structures.	CHALK AND TALK		Multiprocessors, Interconnection Structures.: Chapter-5 , Pages:315-317
54	01/04/2024	5	Memory Organization, Memory Hierarchy	CHALK AND TALK		Memory Organization, Memory Hierarchy: Chapter-5 , Pages:317-319
55	02/04/2024	4	Main Memory	CHALK AND TALK		Main Memory: Chapter-5 , Pages:319-321



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56	04/04/2024	2	Cache Memory	CHALK AND TALK	Cache Memory :: Chapter-5 , Pages:321-323
57	06/04/2024	1	Virtual Memory.	CHALK AND TALK	Virtual Memory:: Chapter-5 , Pages:323-324
58	08/04/2024	5	Multiprocessors	CHALK AND TALK	Multiprocessors: Chapter-5 , Pages:324-325
59	10/04/2024	4	Interconnection Structures	CHALK AND TALK	Interconnection Structures: Chapter-5 , Pages:325-326
60	15/04/2024	2	Quiz	ONLINE-LINK	Quiz: Chapter-5 , Pages:326-327

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Dr. DHANALAKSHMI K.,
Year/Semester/Section : I/II/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 23UIT2CM & CORE PRACTICAL 2 - PROGRAMMING LAB C++

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	4	Introduction to C++ Program -Sample Program	LAB		
2	07/12/2023	4	Create CPP file, Compilation and Execution of C++ Program	DEMO		
3	11/12/2023	3	Practical Program 1: Stack -Concepts - Push and Pop Operations -Explanation	LAB		
4	12/12/2023	4	Stack Program coding - Explanation - Execution	DEMO		

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5	15/12/2023	4	Debugging the program for students - Output verification	LAB		
6	19/12/2023	3	Practical Program 2: Arithmetic Operations - Add, Sub, Mul and Div - Program explanation - Execution - Demo	DEMO		
7	20/12/2023	4	Verifying the students program - Debugging - Output verification	LAB		
8	26/12/2023	4	Updating Observation - Verification	LAB		
9	04/01/2024	4	Updating Observation	LAB		
Unit 2						

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10	08/01/2024	3	Practical Program 3: Matrices - Row - Column - explanation - Manual +, - *, * operations . Verification and validation process	LAB		
11	09/01/2024	4	Operator Overloading - Unary , Binary - Explanation Program coding explanation - execution	DEMO		
12	12/01/2024	4	Verification of Output	LAB		
13	22/01/2024	4	Practical Program 4: String manipulations - Concatenation, Equal to, Length of the string - using Operator overloading - Explanation	LAB		



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14	27/01/2024	4	Program coding explanation - Demonstration	DEMO		
15	30/01/2024	3	Program Execution by Students - Output verification	LAB		
16	31/01/2024	4	REVISION	LAB, DEMO		
Unit 3						
17	03/02/2024	3	Practical Program 5: Employee salary calculations- Basic, HRA, DA, PF, Gross pay and Net pay - Definitions and calculations	LAB		
18	05/02/2024	4	Defining EMPLOYEE class and PAY class using Inheritance concepts - Explanation	LAB		

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19	07/02/2024	3	Coding explanation and execution of program - Demonstration	DEMO		
20	08/02/2024	4	Output verification and Observation verification	LAB		
21	12/02/2024	4	Practical Program 6: Area and Perimeter calculations for various Shapes - Square, Rectangle and Triangle - Explanations	LAB		
22	14/02/2024	3	Virtual functions - concepts - explanations - Program demonstration - Execution	LAB, DEMO		
23	15/02/2024	4	Debugging - Output verification and observation update	LAB		
24	17/02/2024	4	Revision	LAB		



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Unit 4

25	20/02/2024	4	Practical Program 7: friend function -sample program - Explanation and Demonstration	DEMO		
26	22/02/2024	3	Passing object as arguments and program explanation and demonstration	DEMO		
27	23/02/2024	4	Program debugging for students and output verification	LAB		
28	28/02/2024	4	Observation verification	LAB		
29	01/03/2024	3	Practical Program 8: Formatting commands like setw() , showpoint() , showpos() and precision() explanation	DEMO		



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30	04/03/2024	4	Sample coding - explanation and execution	DEMO		
31	07/03/2024	4	Practical program that prints a multiplication table - Coding Explanation	DEMO		
32	11/03/2024	3	Output verification	LAB		
Unit 5						
33	12/03/2024	4	Practical Program 9: File concepts - I/O operations functions	LAB		
34	15/03/2024	4	Sample Programs - To implement file concepts	LAB		
35	16/03/2024	3	Program coding for Insertion, Deletion and Updation using files - Coding Explanation	LAB, DEMO		



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36	19/03/2024	3	Program execution and output verification	LAB		
37	20/03/2024	4	Practical Program 10: Command line Arguments - Concepts - Recall	LAB		
38	25/03/2024	4	Program coding - Explanation	LAB		
39	27/03/2024	3	Program execution	DEMO		
40	28/03/2024	4	Output verification	LAB		
41	03/04/2024	4	REVISION	LAB		
42	05/04/2024	3	Observation Completion and Correction	LAB		
43	06/04/2024	4	Recall and Practice - Program from 1 to 5	LAB		
44	12/04/2024	4	Recall and Practice - Program 6 to 10	LAB		

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45	16/04/2024	3	REVISION	LAB		
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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Dr. DHANALAKSHMI K.,
Year/Semester/Section : I/II/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 23UIT2CM & CORE PRACTICAL 2 - PROGRAMMING LAB C++

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	4	Introduction to C++ Program -Sample Program	LAB		
2	07/12/2023	4	Create CPP file, Compilation and Execution of C++ Program	DEMO		
3	11/12/2023	3	Practical Program 1: Stack -Concepts - Push and Pop Operations -Explanation	LAB		
4	12/12/2023	4	Stack Program coding - Explanation - Execution	DEMO		

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5	15/12/2023	4	Debugging the program for students - Output verification	LAB		
6	19/12/2023	3	Practical Program 2: Arithmetic Operations - Add, Sub, Mul and Div - Program explanation - Execution - Demo	DEMO		
7	20/12/2023	4	Verifying the students program - Debugging - Output verification	LAB		
8	26/12/2023	4	Updating Observation - Verification	LAB		
9	04/01/2024	4	Updating Observation	LAB		
Unit 2						

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10	08/01/2024	3	Practical Program 3: Matrices - Row - Column - explanation - Manual + , * operations . Verification and validation process	LAB		
11	09/01/2024	4	Operator Overloading - Unary , Binary - Explanation Program coding explanation - execution	DEMO		
12	12/01/2024	4	Verification of Output	LAB		
13	22/01/2024	4	Practical Program 4: String manipulations - Concatenation, Equal to, Length of the string - using Operator overloading - Explanation	LAB		



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14	27/01/2024	4	Program coding explanation - Demonstration	DEMO		
15	30/01/2024	3	Program Execution by Students - Output verification	LAB		
16	31/01/2024	4	REVISION	LAB, DEMO		
Unit 3						
17	03/02/2024	3	Practical Program 5: Employee salary calculations- Basic, HRA, DA, PF, Gross pay and Net pay - Definitions and calculations	LAB		
18	05/02/2024	4	Defining EMPLOYEE class and PAY class using Inheritance concepts - Explanation	LAB		

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19	07/02/2024	3	Coding explanation and execution of program - Demonstration	DEMO		
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22	14/02/2024	3	Virtual functions - concepts - explanations - Program demonstration - Execution	LAB, DEMO		
23	15/02/2024	4	Debugging - Output verification and observation update	LAB		
24	17/02/2024	4	Revision	LAB		



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Unit 4

25	20/02/2024	4	Practical Program 7: friend function -sample program - Explanation and Demonstration	DEMO		
26	22/02/2024	3	Passing object as arguments and program explanation and demonstration	DEMO		
27	23/02/2024	4	Program debugging for students and output verification	LAB		
28	28/02/2024	4	Observation verification	LAB		
29	01/03/2024	3	Practical Program 8: Formatting commands like setw() , showpoint() , showpos() and precision() explanation	DEMO		



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30	04/03/2024	4	Sample coding - explanation and execution	DEMO		
31	07/03/2024	4	Practical program that prints a multiplication table - Coding Explanation	DEMO		
32	11/03/2024	3	Output verification	LAB		
Unit 5						
33	12/03/2024	4	Practical Program 9: File concepts - I/O operations functions	LAB		
34	15/03/2024	4	Sample Programs - To implement file concepts	LAB		
35	16/03/2024	3	Program coding for Insertion, Deletion and Updation using files - Coding Explanation	LAB, DEMO		



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36	19/03/2024	3	Program execution and output verification	LAB		
37	20/03/2024	4	Practical Program 10: Command line Arguments - Concepts - Recall	LAB		
38	25/03/2024	4	Program coding - Explanation	LAB		
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40	28/03/2024	4	Output verification	LAB		
41	03/04/2024	4	REVISION	LAB		
42	05/04/2024	3	Observation Completion and Correction	LAB		
43	06/04/2024	4	Recall and Practice - Program from 1 to 5	LAB		
44	12/04/2024	4	Recall and Practice - Program 6 to 10	LAB		

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45	16/04/2024	3	REVISION	LAB		
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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Dr. N ALAMELU MANGAI.,
Year/Semester/Section : III/VI/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 21UIT6CQ & CORE PRACTICAL 6 - PROGRAMMING LAB - IoT USING PYTHON

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	5	Python Programming - Basic programs	LAB		
2	06/12/2023	4	Data types in Python	LAB		
3	07/12/2023	3	type conversion - sample programs	LAB		
4	08/12/2023	3	Type Conversion Programs	LAB	https://www.geeksforgeeks.org/	
5	08/12/2023	5	Control flow program	LAB	https://www.geeksforgeeks.org/	
6	11/12/2023	5	For loop programs	CHALK AND TALK	https://www.geeksforgeeks.org/	
7	12/12/2023	5	While programs	LAB	https://www.geeksforgeeks.org/	
8	14/12/2023	4	range - programs	LAB	https://www.geeksforgeeks.org/	
9	15/12/2023	3	functions	LAB		https://www.geeksforgeeks.org/
10	18/12/2023	3	functions	LAB		https://www.geeksforgeeks.org/

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[Dr. N. Alamelu Mangai]

Coordinator

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Head of the Department



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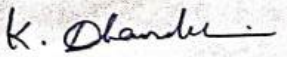


11	18/12/2023	5	Modules	LAB	https://www.geeksforgeeks.org/	
12	19/12/2023	5	Modules	LAB	https://www.geeksforgeeks.org/	
13	20/12/2023	5	packages	LAB	https://www.geeksforgeeks.org/	
14	22/12/2023	4	packages	LAB	https://www.geeksforgeeks.org/	
15	26/12/2023	3	packages	LAB		https://www.geeksforgeeks.org/
16	27/12/2023	3	files	LAB	https://www.geeksforgeeks.org/	
17	27/12/2023	5	Files	LAB	https://www.geeksforgeeks.org/	
18	03/01/2024	4	classes	LAB	https://www.geeksforgeeks.org/	
19	04/01/2024	3	classes	LAB	https://www.geeksforgeeks.org/	
20	05/01/2024	3	modules	LAB	https://www.geeksforgeeks.org/	
21	05/01/2024	5	python packages for iot	LAB	https://www.geeksforgeeks.org/	
22	08/01/2024	5	Python packages for iot	LAB	https://www.geeksforgeeks.org/	
23	09/01/2024	5	Python packages for IoT	LAB	https://www.geeksforgeeks.org/	
24	11/01/2024	4	Python packages for IoT	LAB	https://www.geeksforgeeks.org/	
25	12/01/2024	3	Python packages for IoT	LAB	https://www.geeksforgeeks.org/	

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26	22/01/2024	5	Write a Python Program for switching LED on/off from Raspberry Pi Console	LAB	https://wokwi.com/	
27	24/01/2024	4	Write a Python Program for switching LED on/off from Raspberry Pi Console	LAB		
28	27/01/2024	3	Write a Python Program for switching LED on/off from Raspberry Pi Console	LAB		
29	29/01/2024	3	Write a Python Program for blinking LED	LAB	https://wokwi.com/	
30	29/01/2024	5	Write a Python Program for blinking LED	LAB		
31	30/01/2024	5	Write a Python Program for blinking LED	LAB		
32	31/01/2024	5	Write a Python Program on Raspberry Pi to publish temperature data to MQTT broker	LAB	https://wokwi.com/	
33	02/02/2024	4	Write a Python Program on Raspberry Pi to publish temperature data to MQTT broker	LAB		
34	03/02/2024	5	Write a Python Program on Raspberry Pi to publish temperature data to MQTT broker	LAB		
35	05/02/2024	3	Write a Python Program on Raspberry Pi to publish temperature data to MQTT broker	LAB		
36	06/02/2024	3	Write a Python Program on Raspberry Pi to publish temperature data to MQTT broker	LAB		



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37	06/02/2024	5	Write a Python Program on Raspberry Pi to publish temperature data to MQTT broker	LAB		
38	07/02/2024	5	To interface Bluetooth with Raspberry Pi and write a program to send sensor data to smartphone using Bluetooth	LAB	https://wokwi.com/	
39	08/02/2024	5	To interface Bluetooth with Raspberry Pi and write a program to send sensor data to smartphone using Bluetooth	LAB		
40	12/02/2024	3	To interface Bluetooth with Raspberry Pi and write a program to send sensor data to smartphone using Bluetooth	LAB		
41	13/02/2024	3	To interface Bluetooth with Raspberry Pi and write a program to send sensor data to smartphone using Bluetooth	LAB		
42	13/02/2024	5	To interface Bluetooth with Raspberry Pi and write a program to send sensor data to smartphone using Bluetooth	LAB		
43	14/02/2024	5	To interface Bluetooth with Raspberry Pi and write a program to send sensor data to smartphone using Bluetooth	LAB		

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Coordinator


Head of the Department



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44	15/02/2024	5	Write a python program for sending an Email on switch press with Raspberry Pi	LAB		
45	17/02/2024	5	Write a python program for sending an Email on switch press with Raspberry Pi	LAB		
46	19/02/2024	4	Write a python program for sending an Email on switch press with Raspberry Pi	LAB		
47	20/02/2024	3	Write a python program for sending an Email on switch press with Raspberry Pi	LAB		
48	21/02/2024	3	Write a python program for sending an Email on switch press with Raspberry Pi	LAB		
49	21/02/2024	5	To interface LED and Switch with Raspberry Pi and write a python Program to control an LED with a switch	LAB		
50	22/02/2024	5	To interface LED and Switch with Raspberry Pi and write a python Program to control an LED with a switch	LAB		
51	23/02/2024	5	To interface LED and Switch with Raspberry Pi and write a python Program to control an LED with a switch	LAB		

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Head of the Department



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52	27/02/2024	4	To interface LED and Switch with Raspberry Pi and write a python Program to control an LED with a switch	LAB		
53	28/02/2024	3	To interface LED and Switch with Raspberry Pi and write a python Program to control an LED with a switch	LAB		
54	29/02/2024	3	Write a python program to create TCP Server on Raspberry Pi and respond with humidity data to TCP client when requested	LAB	https://wokwi.com/	
55	29/02/2024	5	Write a python program to create TCP Server on Raspberry Pi and respond with humidity data to TCP client when requested	LAB		
56	01/03/2024	5	Write a python program to create TCP Server on Raspberry Pi and respond with humidity data to TCP client when requested	LAB		
57	02/03/2024	3	Write a python program to create TCP Server on Raspberry Pi and respond with humidity data to TCP client when requested	LAB		
58	02/03/2024	5	Write a python program to create TCP Server on Raspberry Pi and respond with humidity data to TCP client when requested	LAB		

Coordinator

K. Dhandak
Head of the Department



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59	04/03/2024	5	Write a python program to create TCP Server on Raspberry Pi and respond with humidity data to TCP client when requested	LAB		
60	06/03/2024	4	To interface motor using relay with Raspberry Pi and write a program to turn ON motor when push button is pressed	LAB	https://wokwi.com/	
61	07/03/2024	3	To interface motor using relay with Raspberry Pi and write a program to turn ON motor when push button is pressed	LAB		
62	08/03/2024	3	To interface motor using relay with Raspberry Pi and write a program to turn ON motor when push button is pressed	LAB		
63	08/03/2024	5	To interface motor using relay with Raspberry Pi and write a program to turn ON motor when push button is pressed	LAB		
64	11/03/2024	5	To interface motor using relay with Raspberry Pi and write a program to turn ON motor when push button is pressed	LAB	https://wokwi.com/	
65	12/03/2024	5	To interface motor using relay with Raspberry Pi and write a program to turn ON motor when push button is pressed	LAB	https://wokwi.com/	

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K. Dhandu
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66	14/03/2024	4	Write a python program for implementation of the intrusion detection service that runs on Raspberry Pi	LAB		
67	15/03/2024	3	Write a python program for implementation of the intrusion detection service that runs on Raspberry Pi	LAB		
68	16/03/2024	5	Write a python program for implementation of the intrusion detection service that runs on Raspberry Pi	LAB	https://wokwi.com/	
69	18/03/2024	3	Write a python program for implementation of the intrusion detection service that runs on Raspberry Pi	LAB	https://wokwi.com/	
70	18/03/2024	5	Write a python program for implementation of the intrusion detection service that runs on Raspberry Pi	LAB	https://wokwi.com/	
71	19/03/2024	5	Write a python program for implementation of the intrusion detection service that runs on Raspberry Pi	LAB	https://wokwi.com/	
72	20/03/2024	5	Write a python program for implementation the smart parking service that runs on Raspberry Pi	LAB	https://wokwi.com/	

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K. Dhanalakshmi
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73	22/03/2024	4	Write a python program for implementation the smart parking service that runs on Raspberry Pi	LAB	https://wokwi.com/	
74	23/03/2024	4	Write a python program for implementation the smart parking service that runs on Raspberry Pi	LAB	https://wokwi.com/	
75	25/03/2024	3	Write a python program for implementation the smart parking service that runs on Raspberry Pi	LAB	https://wokwi.com/	
76	26/03/2024	3	Write a python program for implementation the smart parking service that runs on Raspberry Pi	LAB	https://wokwi.com/	
77	26/03/2024	5	Write a python program for implementation the smart parking service that runs on Raspberry Pi	LAB	https://wokwi.com/	
78	27/03/2024	5	Write a python program for weather reporting bot that tweets weather updates to twitter	LAB	https://wokwi.com/	
79	28/03/2024	5	Write a python program for weather reporting bot that tweets weather updates to twitter	LAB		

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K. Chandrasekhar
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80	02/04/2024	4	Write a python program for weather reporting bot that tweets weather updates to twitter	LAB	https://wokwi.com/	
81	03/04/2024	3	Write a python program for weather reporting bot that tweets weather updates to twitter	LAB	https://wokwi.com/	
82	04/04/2024	3	Write a python program for weather reporting bot that tweets weather updates to twitter	LAB	https://wokwi.com/	
83	04/04/2024	5	Write a python program for weather reporting bot that tweets weather updates to twitter	LAB	https://wokwi.com/	
84	05/04/2024	5	Revision	LAB	https://www.geeksforgeeks.org/	
85	06/04/2024	5	Revision	LAB	https://www.geeksforgeeks.org/python-programming-language/	
86	10/04/2024	4	Revision	LAB	https://www.geeksforgeeks.org/python-programming-language/	
87	12/04/2024	3	Revision	LAB	https://www.geeksforgeeks.org/python-programming-language/	
88	15/04/2024	3	Revision	LAB		
Unit 2						

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89	15/04/2024	5	Write a python program for sending an Email on switch press with Raspberry Pi	LAB	https://wokwi.com/	
90	16/04/2024	5	To interface LED and Switch with Raspberry Pi and write a python Program to control an LED with a switch	LAB	https://wokwi.com/	

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Head of the Department

[Dr. N. Ananthu Manjun]

K. Shanmugam
Head of the Department



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Dr. N ALAMELU MANGAI.,
Year/Semester/Section : III/VI/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 21UIT613 & CORE PAPER 13 – IoT USING PYTHON

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	1	Internet of Things	CHALK AND TALK		Internet of Things: Chapter-Chapter 6
2	06/12/2023	3	Python Data Types of and Data Structures	CHALK AND TALK	https://www.programiz.com/python-programming/variables-datatypes	Internet of Things: Chapter-Chapter 6
3	07/12/2023	2	Type Conversions	CHALK AND TALK	https://www.programiz.com/python-programming/type-conversion-and-casting	Internet of Things: Chapter-Chapter 6
4	08/12/2023	4	Control Flow - IF & For	CHALK AND TALK	https://programiz.com/python-programming/if-elif-else	Internet of Things: Chapter-Chapter 6, Pages: 149-15
5	11/12/2023	1	while, range, break, continue, pass	CHALK AND TALK	https://www.programiz.com/python-programming/while-loop	Internet of Things: Chapter-Chapter 6, Pages: 151-152
6	11/12/2023	4	Functions	CHALK AND TALK	https://www.programiz.com/python-programming/function	Internet of Things: Chapter-Chapter 6
7	12/12/2023	1	Modules	CHALK AND TALK	https://www.slideshare.net/jarvisl/234-internet-of-things-a-handson-approach-anbdeep-bahga-vijay-madiseti-zliborgpdf	: Chapter-Chapter 6.6
8	14/12/2023	3	Modules Sample Programs	CHALK AND TALK	https://www.programiz.com/python-programming/modules	
9	15/12/2023	2	Packages	CHALK AND TALK	https://www.slideshare.net/jarvisl/234-internet-of-things-a-handson-approach-anbdeep-bahga-vijay-madiseti-zliborgpdf	: Chapter-Chapter 6.7
10	18/12/2023	4	Sample Programs - Data Types and Control	CHALK AND TALK	https://www.programiz.com/python-programming/examples	
11	19/12/2023	1	Sample Programs - packages	CHALK AND TALK	https://www.programiz.com/python-programming/examples#google_vignette	

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[Dr. N. Alamelu Mangai]

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K. Dhenaiah
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12	19/12/2023	4	File Handling	CHALK AND TALK	https://www.programiz.com/python-programming/file-operation	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-6.8
13	20/12/2023	1	File Handling Sample Programs	PPT		
14	22/12/2023	3	Classes	CHALK AND TALK	https://bugs.python.org/file47781/Tutorial_EDIT.pdf	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-6.8
15	26/12/2023	2	Class	CHALK AND TALK	https://bugs.python.org/file47781/Tutorial_EDIT.pdf	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-6.10
16	27/12/2023	4	Python Packages for IOT	CHALK AND TALK	https://www.topcoder.com/thrive/articles/python-in-iiot-internet-of-things	: Chapter-6
17	03/01/2024	3	Python Packages for IOT	CHALK AND TALK	https://www.programiz.com/python-programming/time	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-6.11
18	04/01/2024	2	Python Packages for IOT	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-6.11
Unit 2						
19	05/01/2024	4	Introduction to Internet of Things	CHALK AND TALK		
20	08/01/2024	1	Definition and Characteristics of IOT	CHALK AND TALK		
21	08/01/2024	4	Physical Design of IOT	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-1
22	09/01/2024	1	Logical Design of IOT - IoT Functional Blocks	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-1.3
23	11/01/2024	3	IOT Communicational Models	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-1.3
24	12/01/2024	2	IoT Communicational APIs	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-1.3
25	22/01/2024	1	IoT Enabling Technologies	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-1.4
26	24/01/2024	3	IOT Levels and Deployment Templates	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-1.5
27	27/01/2024	2	Domain Specific IOTs -Home Automation	CHALK AND TALK		

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28	29/01/2024	4	Smart Cities, Parking, Lighting, Roads, Health Monitoring, Surveillance, Emergency Response, Smart Environment - Weather Monitoring, Air Pollution, Noise Pollution, Forest Fire Detection, River Floods,	CHALK AND TALK		: Chapter-2.3, Pages-56-61
29	30/01/2024	1	Smart Environment	CHALK AND TALK		
30	30/01/2024	4	Energy	CHALK AND TALK		
31	31/01/2024	1	Retail - Logistics	CHALK AND TALK		: Chapter- , Pages-64-67
32	02/02/2024	3	Logistics - Route Generation & Scheduling	CHALK AND TALK		Internet of Things A Hands on Approach, Anshdeep Bahga, Vijay Madisetti: Chapter-2.6
33	03/02/2024	1	Fleet Management - Shipment Monitoring - Remote Vehicle Diagnosis	CHALK AND TALK		Internet of Things A Hands on Approach, Anshdeep Bahga, Vijay Madisetti: Chapter-2.7
34	03/02/2024	4	Agriculture - Smart Irrigation	CHALK AND TALK		Internet of Things A Hands on Approach, Anshdeep Bahga, Vijay Madisetti: Chapter-2.8
35	05/02/2024	2	Green House Control	CHALK AND TALK		Internet of Things A Hands on Approach, Anshdeep Bahga, Vijay Madisetti: Chapter-2.8
36	06/02/2024	4	Industry - Machine Diagnosis & Prognosis	CHALK AND TALK		Internet of Things A Hands on Approach, Anshdeep Bahga, Vijay Madisetti: Chapter-2.9
37	07/02/2024	1	Indoor Air Quality Monitoring	CHALK AND TALK		Internet of Things A Hands on Approach, Anshdeep Bahga, Vijay Madisetti: Chapter-2.9
38	07/02/2024	4	Health and Lifestyle - Fitness and Wearable Electronics	CHALK AND TALK		Internet of Things A Hands on Approach, Anshdeep Bahga, Vijay Madisetti: Chapter-2.10
Unit 3						
39	08/02/2024	1	IOT and M2M - Introduction	CHALK AND TALK		Internet of Things A Hands on Approach, Anshdeep Bahga, Vijay Madisetti: Chapter-3
40	12/02/2024	2	m2m	CHALK AND TALK		Internet of Things A Hands on Approach, Anshdeep Bahga, Vijay Madisetti: Chapter-3
41	13/02/2024	4	Differences between IoT and M2M	CHALK AND TALK		Internet of Things A Hands on Approach, Anshdeep Bahga, Vijay Madisetti: Chapter-3.5
42	14/02/2024	1	Differences between M2M	CHALK AND TALK		Internet of Things A Hands on Approach, Anshdeep Bahga, Vijay Madisetti: Chapter-3.3

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K. Chandela
Head of the Department



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43	14/02/2024	4	SDN and NFV for IOT	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-3.4
44	15/02/2024	1	Software Defined Networking	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-3.4
45	17/02/2024	1	Network Function Virtualization	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-3.4
46	19/02/2024	3	IOT System Management with NETCONFIG YANG	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-4
47	20/02/2024	2	Need for IOT system management protocol	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-4, Pages:92-92
48	21/02/2024	4	SNMP - Limitations	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-4
49	22/02/2024	1	Limitations of SNMP	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-4.2
50	22/02/2024	4	Network Operator Requirements	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-4.3
51	23/02/2024	1	NETCONF	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-4.4
52	27/02/2024	3	NETCONFIG	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-4.4
53	28/02/2024	2	YANG	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-4.5
54	29/02/2024	4	YANG	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-4.5
55	01/03/2024	1	IoT Systems Management with NETCONFIG - YANG	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-4.6
56	01/03/2024	4	IoT Systems Management with NETCONFIG YANG	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-4.6
Unit 4						
57	02/03/2024	4	IOT Physical devices and Endpoints	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-7
58	04/03/2024	1	Basic Building Blocks of an IoT Device	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-7.1
59	06/03/2024	3	Exemplary devices	CHALK AND TALK		Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-7.2

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K. Chander
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60	07/03/2024	2	Exemplary Devices	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-7.2
61	08/03/2024	4	Raspberry Pi Interfaces	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-7.5
62	11/03/2024	1	Serial	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-7.5
63	11/03/2024	4	SPI	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-7.5
64	12/03/2024	1	I2C	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-7.5
65	14/03/2024	3	Programming Raspberry Pi with Python	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-7.6
66	15/03/2024	2	Controlling LED with Raspberry Pi	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-7.6
67	16/03/2024	1	Interfacing an LED Switch with LED Raspberry Pi	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-7.6
68	16/03/2024	4	Interfacing a Light Sensor with LDR with Raspberry Pi	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-7.6
69	18/03/2024	4	Other IOT Devices	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-7.7
70	19/03/2024	1	pcDuino	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-7.7
71	19/03/2024	4	Beagle Bone Black	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-7.7
72	20/03/2024	1	Cubieboard	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-7.7
Unit 5					
73	22/03/2024	3	IOT Physical Servers and Cloud Offerings	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-8
74	23/03/2024	3	Introduction to Cloud Storage model	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-8
75	25/03/2024	2	Communication APIs	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-8
76	26/03/2024	4	WAMP	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-8.2
77	27/03/2024	1	AutoBahn for IOT	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Balga, Vijay Madiseti: Chapter-8.3

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78	27/03/2024	4	Xively Cloud for IOT	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-8.3
79	28/03/2024	1	Xively Cloud for IoT	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-8.3
80	02/04/2024	3	Python Web Application Framework	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-8.4
81	03/04/2024	2	Django Architecture	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-8.4
82	04/04/2024	4	Starting Development with Django	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-8.4
83	05/04/2024	1	Amazon Web Services for IoT	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-8.5
84	05/04/2024	4	Designing RESTful web API	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-8.5
85	06/04/2024	1	Amazon Web Service for IoT	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-8.6
86	10/04/2024	3	Amazon Web Services for IoT	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-8.6
87	12/04/2024	2	Amazon Web Services for IoT	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-8.6
88	15/04/2024	4	Amazon Web Services for IoT	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-8.6
89	16/04/2024	1	Skynet IoT Messaging Platform	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti: Chapter-8.7
90	16/04/2024	4	Revision	CHALK AND TALK	Internet of Things A Hands on Approach, Arshdeep Bahga, Vijay Madisetti

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[*Devi Aramchandran*]

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K. Shanmugam



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mrs. D PRINCY .,
Year/Semester/Section : III/VI/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 21UIT614 & CORE PAPER 14 - INFORMATION SECURITY

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	3	What does Security mean?	CHALK AND TALK		Security in Computing: Chapter-1: Is there Security Problem in Computing? . Pages:1-3
2	05/12/2023	1	Attacks	CHALK AND TALK		Security in Computing: Chapter-1: Is there Security Problem in Computing? . Pages:4-7
3	06/12/2023	2	The Meaning of Computer Security	CHALK AND TALK		Security in Computing: Chapter-1: Is there Security Problem in Computing? . Pages:8-11
4	06/12/2023	5	The Meaning of Computer Security	CHALK AND TALK		Security in Computing: Chapter-1: Is there Security Problem in Computing? . Pages:12-17
5	08/12/2023	2	Computer Criminals	CHALK AND TALK		Security in Computing: Chapter-1: Is there Security Problem in Computing? . Pages:19-21

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6	11/12/2023	3	Memory and Address Protection	CHALK AND TALK		Security in Computing: Chapter-4:Protection in general purpose operating systems , Pages:216-218
7	12/12/2023	3	Memory and Address Protection	CHALK AND TALK		Security in Computing: Chapter-4:Protection in general purpose operating systems , Pages:218-221
8	13/12/2023	1	Memory and Address Protection	CHALK AND TALK		Security in Computing: Chapter-4:Protection in general purpose operating systems , Pages:222-227
9	14/12/2023	2	File Protection Mechanisms	CHALK AND TALK		Security in Computing: Chapter-4:Protection in general purpose operating systems , Pages:238-239
10	14/12/2023	5	File Protection Mechanisms	CHALK AND TALK		Security in Computing: Chapter-4:Protection in general purpose operating systems , Pages:240-242
11	18/12/2023	2	User Authentication	CHALK AND TALK		Security in Computing: Chapter-4:Protection in general purpose operating systems , Pages:242-245
12	19/12/2023	3	User Authentication	CHALK AND TALK		Security in Computing: Chapter-4:Protection in general purpose operating systems , Pages:246-251
13	20/12/2023	3	User Authentication	CHALK AND TALK		Security in Computing: Chapter-4:Protection in general purpose operating systems , Pages:252-255

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14	21/12/2023	1	User Authentication	CHALK AND TALK		Security in Computing: Chapter-4:Protection in general purpose operating systems , Pages:257-259
15	22/12/2023	2	Revision	FLIPPED CLASS		Security in Computing
16	22/12/2023	5	Test	BOARD		Security in Computing: Chapter-1 and 4
Unit 2						
17	27/12/2023	2	Non-malicious Program Errors	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:124-128
18	02/01/2024	1	: Non-malicious Program Errors	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:129-132
19	03/01/2024	2	Viruses and other Malicious Code	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:133-135
20	03/01/2024	5	Kinds of Malicious Code	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:137-138
21	05/01/2024	2	How Viruses Attach	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:139-141
22	08/01/2024	3	Home for Viruses	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:142-145

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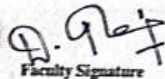
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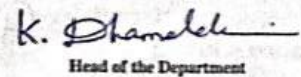


23	09/01/2024	3	The Source of Viruses	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:150-150
24	10/01/2024	1	Prevention of Virus Infection	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:151-152
25	11/01/2024	2	Truths and Misconceptions About Viruses	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:153-155
26	11/01/2024	5	Targeted Malicious Code: Trojans	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:163-165
27	22/01/2024	3	Targeted Malicious Code: Trapdoors	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:165-168
28	23/01/2024	1	Targeted Malicious Code: Salami Attack	CHALK AND TALK		Security in Computing: Chapter-3: Program Security , Pages:168-169
29	24/01/2024	2	Targeted Malicious Code: Rootkits, Interface Illusions, Keystroke Logging	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:170-173

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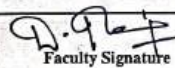
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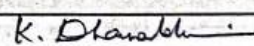


30	24/01/2024	5	Targeted Malicious Code: Timing Attacks, Covert Channels	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:174-179
31	29/01/2024	2	Controls against Program Threats: Developmental controls	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:184-187
32	30/01/2024	3	Controls against Program Threats: Developmental controls	CHALK AND TALK		Security in Computing: Chapter-3: Program Security , Pages:188-192
33	31/01/2024	3	Controls against Program Threats: Developmental controls	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:193-196
34	01/02/2024	1	Controls against Program Threats: Developmental controls	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:197-200
35	02/02/2024	2	Controls against Program Threats: Developmental controls	CHALK AND TALK		Security in Computing: Chapter-3:Program Security , Pages:201-204

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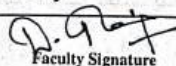
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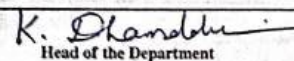


36	02/02/2024	5	Revision	FLIPPED CLASS		Security in Computing: Chapter-3:Program Security
Unit 3						
37	03/02/2024	3	Introduction to Databases	CHALK AND TALK		Security in Computing: Chapter-6:Database and Data Mining Security , Pages:342-346
38	06/02/2024	2	Security Requirements	CHALK AND TALK		Security in Computing: Chapter-6:Database and Data Mining Security , Pages:347-350
39	07/02/2024	3	Security Requirements	CHALK AND TALK		Security in Computing: Chapter-6:Database and Data Mining Security , Pages:351-354
40	08/02/2024	3	Reliability and Integrity	CHALK AND TALK		Security in Computing: Chapter-6:Database and Data Mining Security , Pages:354-356
41	09/02/2024	1	Reliability and Integrity	CHALK AND TALK		Security in Computing: Chapter-6:Database and Data Mining Security , Pages:357-360
42	13/02/2024	2	Multilevel Databases	CHALK AND TALK		Security in Computing: Chapter-6:Database and Data Mining Security , Pages:376-378
43	14/02/2024	3	Multilevel Databases	CHALK AND TALK		Security in Computing: Chapter-6:Database and Data Mining Security , Pages:379-380
44	15/02/2024	3	Proposals for Multilevel Security	CHALK AND TALK		Security in Computing: Chapter-6:Database and Data Mining Security , Pages:381-383
45	16/02/2024	1	Proposals for Multilevel Security	CHALK AND TALK		Security in Computing: Chapter-6:Database and Data Mining Security , Pages:384-387

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K. Dhandu
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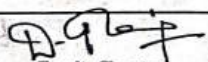
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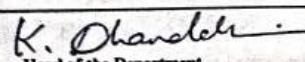


46	17/02/2024	3	Proposals for Multilevel Security	CHALK AND TALK		Security in Computing: Chapter-6:Database and Data Mining Security , Pages:388-391
47	19/02/2024	2	Data Mining	CHALK AND TALK		Security in Computing: Chapter-6:Database and Data Mining Security , Pages:392-395
48	19/02/2024	5	Seminar	PPT,BOARD		Security in Computing: Chapter-6:Database and Data Mining Security
49	21/02/2024	2	Seminar	PPT,BOARD		Security in Computing: Chapter-6:Database and Data Mining Security
50	22/02/2024	3	Seminar	PPT,BOARD		Security in Computing: Chapter-6:Database and Data Mining Security
Unit 4						
51	23/02/2024	3	Network Concepts	CHALK AND TALK		Security in Computing: Chapter-7:Security in Networks , Pages:402-406
52	26/02/2024	1	Network Concepts - Media	CHALK AND TALK		Security in Computing: Chapter-7:Security in Networks , Pages:407-410
53	27/02/2024	2	Network Concepts - Protocols	CHALK AND TALK		Security in Computing: Chapter-7:Security in Networks , Pages:411-415
54	27/02/2024	5	Network Concepts - TCP / IP	CHALK AND TALK		Security in Computing: Chapter-7:Security in Networks , Pages:416-418

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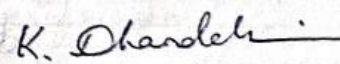


55	29/02/2024	2	Types of Networks	CHALK AND TALK		Security in Computing: Chapter-7:Security in Networks , Pages:419-421
56	01/03/2024	3	Threats in Networks	CHALK AND TALK		Security in Computing: Chapter-7:Security in Networks , Pages:421-424
57	02/03/2024	2	Who attacks networks?	CHALK AND TALK		Security in Computing: Chapter-7:Security in Networks , Pages:425-428
58	04/03/2024	3	Reconnaissance	CHALK AND TALK		Security in Computing: Chapter-7:Security in Networks , Pages:429-430
59	05/03/2024	1	Threats in transit: Eavesdropping and wiretapping	CHALK AND TALK		Security in Computing: Chapter-7:Security in Networks , Pages:444-445
60	06/03/2024	2	Microwave	CHALK AND TALK		Security in Computing: Chapter-7:Security in Networks , Pages:447-449
61	06/03/2024	5	Summary of wiretapping	CHALK AND TALK		Security in Computing: Chapter-7:Security in Networks , Pages:450-451
62	08/03/2024	2	Firewalls	CHALK AND TALK		Security in Computing: Chapter-7:Security in Networks , Pages:514-518
63	11/03/2024	3	Types of Firewalls	CHALK AND TALK		Security in Computing: Chapter-7:Security in Networks , Pages:518-523
64	12/03/2024	3	Personal Firewalls	CHALK AND TALK		Security in Computing: Chapter-7:Security in Networks , Pages:524-527

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65	13/03/2024	1	Intrusion Detection Systems	CHALK AND TALK		Security in Computing: Chapter-7 Security in Networks, Pages:527-528
66	14/03/2024	2	Types of IDSs	CHALK AND TALK		Security in Computing: Chapter-7 Security in Networks, Pages:528-531
67	14/03/2024	5	Goals for IDS	CHALK AND TALK		Security in Computing: Chapter-7 Security in Networks, Pages:531-532
68	16/03/2024	3	IDS Strengths and Limitations	CHALK AND TALK		Security in Computing: Chapter-7 Security in Networks, Pages:533-535
69	18/03/2024	2	Revision	FLIPPED CLASS		Security in Computing: Chapter-7
70	19/03/2024	3	Revision	CHALK AND TALK		Security in Computing: Chapter-7
Unit 5						
71	20/03/2024	3	Protecting Programs and Data	CHALK AND TALK		Security in Computing: Chapter-11 Legal and Ethical Issues in Computer Security, Pages:693-695
72	21/03/2024	1	Protecting Programs and Data	CHALK AND TALK		Security in Computing: Chapter-11 Legal and Ethical Issues in Computer Security, Pages:696-698
73	22/03/2024	2	Patents	CHALK AND TALK		Security in Computing: Chapter-11 Legal and Ethical Issues in Computer Security, Pages:699-701

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74	22/03/2024	5	Trade Secrets	CHALK AND TALK	Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:702-703
75	23/03/2024	2	Protection for Computer Objects	CHALK AND TALK	Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:704-706
76	23/03/2024	5	Information and the Law	CHALK AND TALK	Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:707-708
77	26/03/2024	2	Legal Issues relating to Information	CHALK AND TALK	Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:709-710
78	27/03/2024	3	Protecting Information	CHALK AND TALK	Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:711-712
79	28/03/2024	3	Computer Crime	CHALK AND TALK	Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:723-725
80	01/04/2024	1	Computer Crime	CHALK AND TALK	Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:726-727
81	02/04/2024	2	Statutes	CHALK AND TALK	Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:727-729

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D. G. R. P.
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Coordinator

K. Shanmugam
Head of the Department



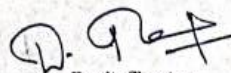
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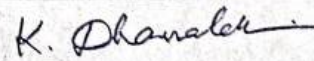


82	02/04/2024	5	International Dimensions	CHALK AND TALK		Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:730-731
83	04/04/2024	2	Indian Cyber Law Offences	CHALK AND TALK		Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:732-733
84	05/04/2024	3	Computer Crime - Why hard to catch? What Does not address?	CHALK AND TALK		Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:734-735
85	06/04/2024	3	Cryptography and the Law	CHALK AND TALK		Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:736-738
86	08/04/2024	1	Ethical Issues in Computer Security	CHALK AND TALK		Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:739-740
87	10/04/2024	2	Studying Ethics	CHALK AND TALK		Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:740-741
88	10/04/2024	5	Ethical Reasoning	CHALK AND TALK		Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security , Pages:742-744
89	15/04/2024	2	Revision	FLIPPED CLASS		Security in Computing: Chapter-11:Legal and Ethical Issues in Computer Security

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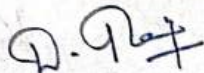
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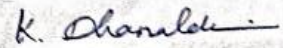


90	16/04/2024	3	Revision	FLIPPED CLASS	Security in Computing: Chapter-11: Legal and Ethical Issues in Computer Security
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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Dr. N ALAMELU MANGAI.,
Year/Semester/Section : II/IV/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 22UIT4A4 & ALLIED PAPER 4 – MICROPROCESSORS, PC HARDWARE AND INTERFACING

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	3	Introduction - General Organization of a Microprocessor	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing: Chapter-Chapter 2
2	05/12/2023	2	General organization of a Microprocessor	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing: Chapter-chap 2
3	06/12/2023	5	Buses, Memory	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing: Chapter-chap 2, Pages:11-13
4	08/12/2023	1	Input and output devices	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing: Chapter-chap 2
5	11/12/2023	2	8086 Internal Architecture	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-2.3

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11

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[Dr. N. Alamelu Mangai]



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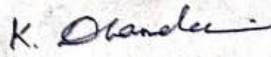


6	12/12/2023	3	Addressing Modes	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-2.4
7	13/12/2023	2	Addressing Modes	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-2.4
8	14/12/2023	5	Instructions	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-2.5
9	18/12/2023	1	Arithmetic Instructions	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-2.5
10	19/12/2023	2	Bit Manipulation Instructions	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-2.5
11	20/12/2023	3	String Instructions	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-2.5
12	21/12/2023	2	Examples for Data Transfer Instructions	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-2.5
13	22/12/2023	5	Examples for Arithmetic Instructions	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-2.5.2
14	27/12/2023	1	Examples for String Instructions	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan

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15	02/01/2024	2	8086 Pin Configuration and Signals	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-3.2
16	03/01/2024	5	8086 Signals	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-3.2.2
17	05/01/2024	1	Interfacing Memory Memory-Devices	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-3.4
18	08/01/2024	2	Memory banks	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-3.4.2
19	09/01/2024	3	Interrupts- Interrupt Vector Table	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-3.8
20	10/01/2024	2	8086 response to Interrupts- Interrupt types- Priority Interrupts	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-3.8
Unit 2					
21	11/01/2024	5	Peripheral Interfaces - Programmable Peripheral Interface 8255A	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-4.1

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22	22/01/2024	3	Internal Blocks of 8255A - Operating Modes	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-4.3
23	23/01/2024	2	operating Modes	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-4.3
24	24/01/2024	5	Priority Interrupt Controller 8259A	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-4.4
25	29/01/2024	1	Internal block diagram	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-4.4
26	30/01/2024	2	Operations	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-4.4.2
27	31/01/2024	3	Direct Memory access Controller 8237	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-4.5
28	01/02/2024	2	Programmable Interval Timer	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-4.6
29	02/02/2024	5	Universal Asynchronous Receiver Transmitter UART PC 16550D	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-4.8

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30	03/02/2024	2	Universal Asynchronous Receiver Transmitter UART PC 16550D	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-4.8
Unit 3						
31	06/02/2024	1	Advanced Microprocessors - Introduction	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-5.1
32	07/02/2024	2	80386 microprocessor	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-5.4
33	08/02/2024	3	80386 microprocessor - modes of operation	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-5.4
34	09/02/2024	2	80486 microprocessor - Internal Blocks and signals	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-5.3
35	13/02/2024	1	80486 microprocessor - Internal Blocks and signals	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-5.4
36	14/02/2024	2	80486 microprocessor - Internal Registers	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-5.4

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37	15/02/2024	3	80486 microprocessor - Internal Registers	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-5.4
38	16/02/2024	2	Pentium Microprocessor - Internal Blocks and Signals	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-5.6
39	17/02/2024	3	Pentium Microprocessor - Internal Blocks and Signals	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-5.6
40	19/02/2024	5	Pentium - MMX Microprocessor	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-5.6
41	21/02/2024	1	Pentium - MMX Microprocessor	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-5.7
42	22/02/2024	2	Pentium - MMX Microprocessor	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-5.8
43	23/02/2024	3	Pentium -Pro Microprocessor	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-5.8

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44	26/02/2024	2	Pentium II Microprocessor	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-5.9
45	27/02/2024	5	Mother Board of IBM PC - Motherboard components , support chips	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-6
46	29/02/2024	1	Mother Board of IBM PC - memory, functions, i/o basics	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-6.2
Unit 4						
47	01/03/2024	2	Drives - Introduction	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-7
48	02/03/2024	1	Principles of Magnetic Storage - Medium for Magnetic Storage - Read / Write Operation - Data Encoding Formats	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-7

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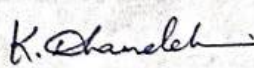


49	04/03/2024	3	Floppy Disk Drive - Drive Construction - Floppy Disk Controller	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-7.3
50	05/03/2024	2	FDC Interface	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-7.3
51	06/03/2024	5	Hard Disk Drive	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-7.4
52	08/03/2024	1	Drive Construction - HDD Interfaces	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-7.2
53	11/03/2024	2	Peripherals - Video Display System	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-8
54	12/03/2024	3	Video Display System - Graphics Accelerators - LCD Monitor - Video Programming	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-8
55	13/03/2024	2	Keyboard - Organization - Types	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-8.3

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56	14/03/2024	5	Keyboard Interface - BIOS Keyboard Services	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-8.3
57	16/03/2024	2	Printer - Dot matrix Printer	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-8.5
58	18/03/2024	1	Ink Jet Printer - Laser Jet Printer	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-8.5
59	19/03/2024	2	Printer Interface - BIOS Printer Services	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-8.5
Unit 5						
60	20/03/2024	3	Parallel and Serial Ports- Introduction	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-10
61	21/03/2024	2	Parallel Port - Standard Parallel Port SPP	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-10
62	22/03/2024	5	IEEE 1284 Standard	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-10
63	23/03/2024	5	Enhanced Parallel Port	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-10

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64	26/03/2024	1	Serial Port - pins and signals of serial port	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan: Chapter-10
65	27/03/2024	2	BIOS Serial Port Services	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-10
66	28/03/2024	3	Universal Serial Bus	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-11
67	01/04/2024	2	Universal Serial Bus - Introduction - features	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-11
68	02/04/2024	5	Features of USB	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-404
69	04/04/2024	1	USB System - cable, HOST	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-11
70	05/04/2024	2	USB - Device - Hub	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-11
71	06/04/2024	3	USB Transfer	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-11
72	08/04/2024	2	Transactions - Packet	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-11
73	10/04/2024	5	Pipe - Transfer Types	CHALK AND TALK	Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-11

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74	15/04/2024	1	USB Controller	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan : Chapter-11
75	16/04/2024	2	Revision	CHALK AND TALK		Microprocessors, PC Hardware and Interfacing :by N. Mathivanan

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[Dr. N. Kamelunmayar]

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mrs. D PRINCY .,
Year/Semester/Section : II/IV/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 22UIT4CO & CORE PRACTICAL 4 – PROGRAMMING LAB – .NET AND ORACLE

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	1	Integrated Development Environment	DEMO		
2	06/12/2023	1	Integrated Development Environment	DEMO		
3	07/12/2023	5	Integrated Development Environment	DEMO		
4	08/12/2023	4	Types of applications	DEMO		
5	12/12/2023	1	Variable Declaration, Operators	DEMO		

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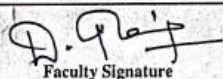
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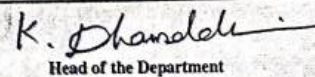


6	14/12/2023	1	Decision Making Statements	DEMO		
7	15/12/2023	5	Looping Statements	DEMO		
8	18/12/2023	4	Procedures	DEMO		
9	20/12/2023	1	Scopes	DEMO		
10	22/12/2023	1	Text Box, Rich Text Box and Buttons	DEMO		
11	26/12/2023	5	Practical Program 1: Font Applications	DEMO		
12	27/12/2023	4	Practical Program 1: Font Applications	DEMO		
Unit 2						
13	03/01/2024	1	Check boxes, Radio buttons	DEMO		
14	04/01/2024	5	Panels and Group boxes	DEMO		

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15	05/01/2024	4	Practical Program 2: Calculator	DEMO		
16	09/01/2024	1	Practical Program 2: Calculator	LAB		
17	11/01/2024	1	Windows MDI Forms	LAB		
18	12/01/2024	5	Timers	LAB		
19	22/01/2024	1	Practical Program 3: Digital Clock	LAB		
20	24/01/2024	1	Practical Program 3: Digital Clock	DEMO		
Unit 3						
21	27/01/2024	5	Menus	LAB		
22	29/01/2024	4	Built-in Dialog Boxes	DEMO		
23	31/01/2024	1	Practical Program 4: Notepad Application	DEMO		

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K. Dhanelehi
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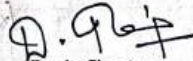


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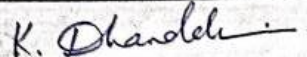
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24	02/02/2024	1	Practical Program 4: Notepad Application	DEMO		
25	05/02/2024	5	Practical Program 4: Notepad Application	DEMO		
26	06/02/2024	4	List boxes, Checked list box	DEMO		
27	08/02/2024	1	Combo boxes, Picture boxes, Scroll bars	DEMO		
28	12/02/2024	5	Splitters, Track Bars, Pickers, Notify Icons, Tool tips	DEMO		
29	13/02/2024	4	Practical Program 5: Student Details	DEMO		
30	15/02/2024	1	Practical Program 5: student Details	DEMO		
31	17/02/2024	1	Model Practical	LAB		


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Unit 4

32	19/02/2024	1	Logging into SQL *Plus	DEMO		
33	20/02/2024	5	SQL *Plus Commands	DEMO		
34	21/02/2024	4	Constraints	DEMO		
35	23/02/2024	1	Creating Oracle Table	DEMO		
36	27/02/2024	1	Displaying Table Information	DEMO		
37	28/02/2024	5	Altering an Existing Table	DEMO		
38	29/02/2024	4	Practical Program 6: Student Table Creation, Altering and Displaying Information	DEMO		
39	02/03/2024	4	Practical Program 6: Student Table Creation, Altering and Displaying Information	DEMO		



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40	04/03/2024	1	Data Manipulation Language	LAB		
41	06/03/2024	1	Updating / Deleting Existing Rows/Records	LAB, DEMO		
42	07/03/2024	5	Substitution Variables	LAB, DEMO		
43	08/03/2024	4	Sorting and WHERE Clause	LAB, DEMO		
44	12/03/2024	1	Revision	LAB		
Unit 5						
45	14/03/2024	1	Built-in Functions	LAB, DEMO		
46	15/03/2024	5	Group Functions and Group By Clause	LAB, DEMO		
47	18/03/2024	4	Practical Program 8: Sorting and Group Functions	LAB, DEMO		

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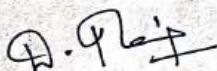
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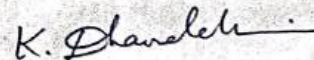


48	20/03/2024	1	Practical Program 9: Built-in Functions	LAB, DEMO		
49	22/03/2024	1	Character Functions	LAB, DEMO		
50	23/03/2024	1	Number Functions	LAB, DEMO		
51	25/03/2024	5	Date and Conversion Students	LAB, DEMO		
52	26/03/2024	4	Grouping Data and Having Clause	LAB, DEMO		
53	28/03/2024	1	Join Operations	LAB, DEMO		
54	02/04/2024	1	Practical Program 7: Join Operations	LAB, DEMO		
55	03/04/2024	5	Practical Program 7: Join Operations	LAB, DEMO		
56	04/04/2024	4	Set Operations	LAB, DEMO		

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57	06/04/2024	1	Practical Program 10: Set Operations	LAB, DEMO		
58	10/04/2024	1	Model Practical	LAB		
59	12/04/2024	5	Revision	LAB		
60	15/04/2024	4	Revision	LAB		

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mrs. D PRINCY.,
Year/Semester/Section : II/IV/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 22UIT405 & CORE PAPER 5 - .NET PROGRAMMING AND ORACLE

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	5	Syllabus and Introduction	CHALK AND TALK		Visual Basic.NET Programming: Chapter-1:Essential Visual Basic .NET , Pages:1-2
2	05/12/2023	3	Putting Visual Basic to Work	CHALK AND TALK		Visual Basic.NET Programming: Chapter-1:Essential Visual Basic .NET , Pages:3-6
3	06/12/2023	4	The VB.Net IDE	CHALK AND TALK		Visual Basic.NET Programming: Chapter-1:Essential Visual Basic .NET , Pages:28-36
4	07/12/2023	2	The VB.Net IDE	CHALK AND TALK,LAB		Visual Basic .NET Programming: Chapter-1: Essential Visual Basic .NET , Pages:37-47
5	11/12/2023	1	VB Keywords and Statements	CHALK AND TALK		Visual Basic .NET Programming: Chapter-2:The Visual Basic Language , Pages:52-60
6	12/12/2023	5	Declaring Variables	CHALK AND TALK		Visual Basic .NET Programming: Chapter-2:The Visual Basic Language , Pages:65-68
7	13/12/2023	3	Operators	CHALK AND TALK,LAB		Visual Basic .NET programming : Chapter-2:The Visual Basic Language , Pages:78-82
8	14/12/2023	4	Decision Making Statements	CHALK AND TALK,LAB		Visual Basic .NET programming : Chapter-2:The Visual Basic Language , Pages:83-86
9	15/12/2023	2	Looping Statements	CHALK AND TALK,LAB		Visual Basic .NET programming : Chapter-2:The Visual Basic Language , Pages:87-91
10	19/12/2023	i	Declaring arrays and Dynamic Arrays, Strings	CHALK AND TALK		Visual Basic .NET programming : Chapter-2:The Visual Basic Language , Pages:72-77
11	20/12/2023	5	Procedures	CHALK AND TALK		Visual Basic .NET programming : Chapter-3:The Visual Basic Language , Pages:108-110
12	21/12/2023	3	Functions	CHALK AND TALK		Visual Basic .NET programming : Chapter-3:The Visual Basic Language , Pages:111-114

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13	22/12/2023	4	Understanding Scope	CHALK AND TALK, DEMO	Visual Basic .NET programming : Chapter-3: The Visual Basic Language . Pages:120-122
14	26/12/2023	2	Handling Exceptions - Unstructured Exception Handling	CHALK AND TALK	Visual Basic .NET programming : Chapter-3: The Visual Basic Language . Pages:122-127
15	02/01/2024	3	Handling Exceptions : Structured Exceptions	CHALK AND TALK, DEMO	Visual Basic .NET programming : Chapter-3: The Visual Basic Language . Pages:128-135
Unit 2					
16	03/01/2024	4	Windows Forms	CHALK AND TALK	Visual Basic .NET programming : Chapter-4: Windows Forms . Pages:154-157
17	04/01/2024	2	The MsgBox and InputBox Function	CHALK AND TALK, LAB	Visual Basic .NET programming : Chapter-4: Windows Forms . Pages:158-163
18	08/01/2024	1	Windows MDI Forms	CHALK AND TALK	Visual Basic .NET programming : Chapter-4: Windows Forms . Pages:164-172
19	09/01/2024	5	Adding Controls to Forms	CHALK AND TALK, LAB	Visual Basic .NET programming : Chapter-4: Windows Forms . Pages:177-178
20	10/01/2024	3	Handling Events	CHALK AND TALK	Visual Basic .NET programming : Chapter-4: Windows Forms . Pages:181-184
21	11/01/2024	4	Textboxes	CHALK AND TALK, DEMO	Visual Basic .NET programming : Chapter-5: Windows Forms . Pages:200-207
22	12/01/2024	2	Rich Text boxes	CHALK AND TALK, DEMO	Visual Basic .NET programming : Chapter-5: Windows Forms . Pages:208-218
23	22/01/2024	5	Labels and Link Labels	CHALK AND TALK	Visual Basic .NET programming : Chapter-5: Windows Forms . Pages:219-228
24	23/01/2024	3	Buttons	CHALK AND TALK, DEMO	Visual Basic .NET programming : Chapter-6: Windows Forms . Pages:233-240
25	24/01/2024	4	Buttons	CHALK AND TALK, DEMO	Visual Basic .NET programming : Chapter-6: Windows Forms . Pages:241-248
26	27/01/2024	2	Check boxes	CHALK AND TALK, DEMO	Visual Basic .NET programming : Chapter-6: Windows Forms . Pages:249-252
27	30/01/2024	1	Radio buttons	CHALK AND TALK, DEMO	Visual Basic .NET programming : Chapter-6: Windows Forms . Pages:252-254
28	31/01/2024	5	Panels and Group boxes	CHALK AND TALK, DEMO	Visual Basic .NET programming : Chapter-6: Windows Forms . Pages:255-260
29	01/02/2024	3	Revisison	BOARD	Visual Basic .NET programming : Chapter-4,5,6
30	02/02/2024	4	Test - Unit 2	BOARD	

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Unit 3						
31	03/02/2024	1	List Boxes	CHALK AND TALK, LAB		Visual Basic .NET programming : Chapter-7: Windows Forms , Pages:268-278
32	05/02/2024	2	Checked List Boxes	CHALK AND TALK, LAB		Visual Basic .NET programming : Chapter-7: Windows Forms , Pages:279-285
33	07/02/2024	1	Combo Boxes	CHALK AND TALK, LAB		Visual Basic .NET programming : Chapter-7: Windows Forms , Pages:286-295
34	08/02/2024	5	Picture boxes	CHALK AND TALK, LAB		Visual Basic .NET programming : Chapter-7: Windows Forms , Pages:296-299
35	09/02/2024	3	Scroll Bars	CHALK AND TALK, LAB		Visual Basic .NET programming : Chapter-8: Windows Forms , Pages:311-322
36	12/02/2024	2	Splitters	CHALK AND TALK, LAB		Visual Basic .NET programming : Chapter-8: Windows Forms , Pages:323-325
37	14/02/2024	1	Track Bars	CHALK AND TALK, LAB		Visual Basic .NET programming : Chapter-8: Windows Forms , Pages:326-327
38	15/02/2024	5	Pickers	CHALK AND TALK, LAB		Visual Basic .NET programming : Chapter-8: Windows Forms , Pages:328-334
39	16/02/2024	3	Notify Icon	CHALK AND TALK, LAB		Visual Basic .NET programming : Chapter-8: Windows Forms , Pages:335-338
40	17/02/2024	5	Tool Tip, Timer	CHALK AND TALK, DEMO		Visual Basic .NET programming : Chapter-8: Windows Forms , Pages:338-341
41	19/02/2024	4	Menus	CHALK AND TALK, DEMO		Visual Basic .NET programming : Chapter-9: Windows Forms , Pages:355-361
42	20/02/2024	2	Built-in Dialog Boxes	CHALK AND TALK, DEMO		Visual Basic .NET programming : Chapter-8: Windows Forms , Pages:369-388
43	22/02/2024	1	Image Lists, Tree Views	CHALK AND TALK, LAB		Visual Basic .NET programming : Chapter-10: Windows Forms , Pages:398-410
44	23/02/2024	5	List Views, Tool Bars	CHALK AND TALK, LAB		Visual Basic .NET programming : Chapter-10: Windows Forms , Pages:411-424
45	26/02/2024	3	Status Bars, Progress Bars and Tab Controls.	CHALK AND TALK, LAB		Visual Basic .NET programming : Chapter-10: Windows Forms , Pages:425-436
Unit 4						
46	27/02/2024	4	Database, Relationships and DBMS	PDR, CHALK AND TALK		Database Systems using Oracle: Chapter-1: Database Concepts: A Relational approach , Pages:1-4
47	28/02/2024	2	Relational Data Model – Integrity Rules	PDR, CHALK AND TALK		Database Systems using Oracle: Chapter-1: Database Concepts: A Relational approach , Pages:5-8
48	01/03/2024	1	Theoretical Relational Languages	PDR, CHALK AND TALK		Database Systems using Oracle: Chapter-1: Database Concepts: A Relational approach , Pages:9-14

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49	04/03/2024	5	Data Modeling	PDF, CHALK AND TALK		Database Systems using Oracle: Chapter-2: Database Design: Data Modeling and Normalization, Pages: 21-24
50	05/03/2024	3	Dependency, Dependency diagrams	PDF, CHALK AND TALK		Database Systems using Oracle: Chapter-2: Database Design: Data Modeling and Normalization, Pages: 24-26
51	06/03/2024	4	Normal forms and Denormalization	PDF, CHALK AND TALK		Database Systems using Oracle: Chapter-2: Database Design: Data Modeling and Normalization, Pages: 26-32
52	07/03/2024	2	Oracle9i an introduction, SQL *Plus Environment	CHALK AND TALK, ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=gbs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-3: Oracle9i: Overview, Pages: 41-43
53	11/03/2024	1	SQL, Logging into SQL *Plus	CHALK AND TALK, ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=gbs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-3: Oracle9i: Overview, Pages: 43-46
54	12/03/2024	5	SQL *Plus Commands, Errors & Help and Alternate Text Editors	CHALK AND TALK, ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=gbs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-3: Oracle9i: Overview, Pages: 46-53
55	13/03/2024	3	SQL *Plus Worksheet and iSQL*Plus	CHALK AND TALK, ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=gbs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-3: Oracle9i: Overview, Pages: 51-55
56	14/03/2024	4	Naming Rules and conventions and Data Types	CHALK AND TALK, ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=gbs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-4: Oracle Tables: DDL, Pages: 58-71
57	15/03/2024	2	Constraints and Creating Oracle Table	CHALK AND TALK, ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=gbs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-4: Oracle Tables: DDL, Pages: 72-78
58	16/03/2024	1	Displaying Table Information and Altering an Existing Table	CHALK AND TALK, ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=gbs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-4, Pages: 79-85
59	19/03/2024	1	Altering an Existing Table and Dropping, Renaming, Truncating Table	CHALK AND TALK, ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=gbs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-4: Oracle Tables: DDL, Pages: 86-89
60	20/03/2024	5	Table Types, Spooling and Error codes	CHALK AND TALK, ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=gbs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-4: Oracle Tables: DDL, Pages: 90-93
Unit 5						
61	21/03/2024	3	DML and adding a new Row/Record	CHALK AND TALK, ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=gbs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-5: Working with Table: Data Management and Retrieval, Pages: 97-101

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D. G. [Signature]
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K. Dhanabai
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62	22/03/2024	4	Customized Prompts, Updating and Deleting an Existing Rows/Records	CHALK AND TALK,ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=ghs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-5:Working with Table: Data Management and Retrieval , Pages:102-105
63	23/03/2024	4	Retrieving Data from Table and Distinct Function	CHALK AND TALK,ONLINE-LINK		Database Systems using Oracle: Chapter-5:Working with Table: Data Management and Retrieval , Pages:105-112
64	25/03/2024	2	Arithmetic Operations and Restricting Data with WHERE clause	CHALK AND TALK,ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=ghs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-5:Working with Table: Data Management and Retrieval , Pages:113-121
65	27/03/2024	1	Sorting , DEFINE command and CASE structure	CHALK AND TALK,ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=ghs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-5:Working with Table: Data Management and Retrieval , Pages:122-127
66	28/03/2024	5	Built-in functions	CHALK AND TALK,ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=ghs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-6:Functions and Grouping , Pages:132-136
67	01/04/2024	3	Built-in functions	CHALK AND TALK,ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=ghs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-6:Functions and Grouping , Pages:137-144
68	02/04/2024	4	Nesting Functions, Group Functions	CHALK AND TALK,ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=ghs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-6:Functions and Grouping , Pages:146-149
69	03/04/2024	2	Grouping Data, Having Clause	CHALK AND TALK,ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=ghs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-6:Functions and Grouping , Pages:149-152
70	05/04/2024	1	Join	CHALK AND TALK,ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=ghs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-7:Multiple Tables: Joins and Set operations , Pages:157-160
71	06/04/2024	5	Join	CHALK AND TALK,ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=ghs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-7:Joins and Set operations , Pages:161-165
72	08/04/2024	3	Set operators	CHALK AND TALK,ONLINE-LINK	https://books.google.co.in/books?id=psPODAAAQBAJ&pg=PA55&source=ghs_selected_pages&cad=1#v=twopage&q&f=false	Database Systems using Oracle: Chapter-7:Joins and Set operations , Pages:166-170
73	10/04/2024	4	Revision	FLIPPED CLASS		Database Systems using Oracle
74	12/04/2024	2	Test	BOARD		Database Systems using Oracle
75	16/04/2024	1	Test	BOARD		Database Systems using Oracle

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : ASWINI S,
Year/Semester/Section : II/IV/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 22UIT4SL & SKILL BASED SUBJECT 2 - R PROGRAMMING LAB

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	05/12/2023	5	R Programming Introduction	LAB		R Programming Introduction
2	11/12/2023	4	R Programming Introduction	PPT		R Programming Introduction
3	13/12/2023	5	R Programming Software and Tools	LAB		R Programming Software and Tools
4	19/12/2023	4	Convert the temperature from Fahrenheit to Celsius	LAB		Convert the temperature from Fahrenheit to Celsius : Chapter-1
5	21/12/2023	5	Convert the temperature from Fahrenheit to Celsius	LAB		Convert the temperature from Fahrenheit to Celsius : Chapter-1
Unit 2						
6	02/01/2024	5	The area of rectangle, square, circle and triangle by accepting suitable input parameters	LAB		The area of rectangle, square, circle and triangle by accepting suitable input parameters : Chapter-2

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[S. Aswin]

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[S. Aswin]

K. Phanasale
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7	08/01/2024	4	The area of rectangle, square, circle and triangle by accepting suitable input parameters	LAB		The area of rectangle, square, circle and triangle by accepting suitable input parameters : Chapter-2
Unit 3						
8	10/01/2024	5	Even numbers from 1 to n using R-Loops.	DEMO		Even numbers from 1 to n using R-Loops.: Chapter-3
9	23/01/2024	5	Even numbers from 1 to n using R-Loops.	LAB		Even numbers from 1 to n using R-Loops.: Chapter-3
10	30/01/2024	4	Function to print squares of numbers in sequence	LAB		A function to print squares of numbers in sequence: Chapter-4
11	01/02/2024	5	function to print squares of numbers in sequence	LAB		A function to print squares of numbers in sequence: Chapter-3
12	03/02/2024	4	To join columns and rows in a data frame using cbind() and rbind() in R	LAB		To join columns and rows in a data frame using cbind() and rbind() in R: Chapter-4
Unit 4						
13	07/02/2024	4	To join columns and rows in a data frame using cbind() and rbind() in R	LAB		To join columns and rows in a data frame using cbind() and rbind() in R: Chapter-4
14	09/02/2024	5	Lab Test -1	LAB		Lab Test -1: Chapter-4
15	14/02/2024	4	String Manipulation functions in R Concepts	CHALK AND TALK, LAB	https://learnetutorials.com/r-programming/string-manipulation-functions	String Manipulation functions in R Concepts: Chapter-4

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K. Dhanalekshmi
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16	16/02/2024	5	String Manipulation functions in R.	LAB		String Manipulation functions in R.: Chapter-4
17	22/02/2024	4	String Manipulation functions in R	LAB		String Manipulation functions in R: Chapter-4
18	26/02/2024	5	Lab Test 2	LAB		Lab Test 2: Chapter-4
19	01/03/2024	4	Pie chart and bar chart using R	LAB		Pie chart and bar chart using R: Chapter-5
20	05/03/2024	5	Test 3-Tools and Software	LAB		Test 3-Tools and Software: Chapter-5
Unit 5						
21	11/03/2024	4	Pie chart and bar chart using R.	LAB	https://www.geeksforgeeks.org/r-pie-charts/	Pie chart and bar chart using R.: Chapter-5
22	13/03/2024	5	Packages using Pie and Bar plots	LAB		Packages using Pie and Bar plots
23	16/03/2024	4	Plot using R	LAB		Plot using R
24	19/03/2024	4	Data Visualization using Pie and Bar Chart	LAB		Data Visualization using Pie and Bar Chart
25	21/03/2024	5	R Packages	CHALK AND TALK		R Packages: Chapter-5
26	27/03/2024	4	Test	LAB		Test : Chapter-5
27	01/04/2024	5	Quiz	LAB	https://www.w3schools.com/r/r_quiz.asp	Quiz
28	05/04/2024	4	Revision	LAB		Revision
29	08/04/2024	5	Revision	LAB		Revision

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P.S. Aswini D

Coordinator

K. Dharmalingam
Head of the Department



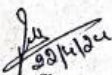
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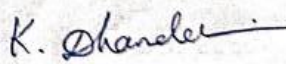


30	16/04/2024	4	Lab Test	LAB		Lab Test
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(18/04/2024)


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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : DEEPA N,
Year/Semester/Section : III/VI/All
Degree & Branch : INFORMATION TECHNOLOGY
Subject Code & Name : 21UIT6SM & SKILL BASED SUBJECT 3 - SOFTWARE TESTING LAB

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	05/12/2023	2	Introduction to selenium	LAB		Introduction to selenium: Chapter-1 , Pages:1-5
2	05/12/2023	3	How to install selenium?	LAB		How to install selenium?: Chapter-1 , Pages:5-6
3	13/12/2023	2	Adding extension to chrome	LAB		Adding extension to chrome: Chapter-1 , Pages:6-8
4	13/12/2023	3	Write a test case for performing the Calculator Operations using HTML and Validate using Selenium IDE.	CHALK AND TALK		Write a test case for performing the Calculator Operations using HTML and Validate using Selenium IDE.: Chapter-1 , Pages:8-10

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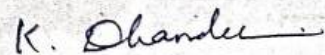
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5	21/12/2023	2	Html Coding	LAB		Html Coding : Chapter-1 , Pages:10-11
6	21/12/2023	3	Validate testing	LAB		Validate testing: Chapter-1 , Pages:11-13
7	02/01/2024	2	Write a test case for a creating a link for a Paint Brush image using HTML and Validate using Selenium IDE	LAB		Write a test case for a creating a link for a Paint Brush image using HTML and Validate using Selenium IDE: Chapter-1 , Pages:13-15
Unit 2						
8	02/01/2024	3	Test cases	LAB		Test cases: Chapter-2 , Pages:15-17
9	10/01/2024	2	Marquee command	LAB		Marquee command: Chapter-2 , Pages:17-19
10	10/01/2024	3	Write a test case for scrolling a text developed using HTML and Validate using Selenium IDE	LAB		Write a test case for scrolling a text developed using HTML and Validate using Selenium IDE: Chapter-2 , Pages:19-21
11	23/01/2024	2	Webpage creation	LAB		Webpage creation: Chapter-2 , Pages:21-23


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12	23/01/2024	3	Validation test in web page using commands	LAB		Validation test in web page using commands: Chapter-2 , Pages:23-25
13	01/02/2024	2	Write a test case for creating a Department web page developed using HTML and Validate using Selenium IDE.	LAB		Write a test case for creating a Department web page developed using HTML and Validate using Selenium IDE.: Chapter-2 , Pages:25-27
Unit 3						
14	01/02/2024	3	Javascript commands	LAB		Javascript commands: Chapter-3 , Pages:27-29
15	09/02/2024	2	Creating students mark list	LAB		Creating students mark list: Chapter-3 , Pages:29-31
16	09/02/2024	3	Validate the Mark statement	LAB		Validate the Mark statement: Chapter-3 , Pages:31-33
17	16/02/2024	2	Write a test case for calculating the Student Mark list using Java script and Validate using Selenium IDE	LAB		Write a test case for calculating the Student Mark list using Java script and Validate using Selenium IDE: Chapter-3 , Pages:33-35

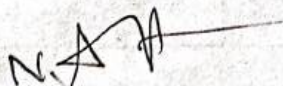


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18	16/02/2024	3	Designing a employee form	LAB		Designing a employee form: Chapter-3 , Pages:35-37
19	26/02/2024	2	Java Script	LAB		Java Script: Chapter-3 , Pages:37-39
20	26/02/2024	3	Write a test case for designing an Employee form and calculating employee salary using Java script and Validate using Selenium IDE.	LAB		Write a test case for designing an Employee form and calculating employee salary using Java script and Validate using Selenium IDE.: Chapter-3 , Pages:37-39
Unit 4						
21	05/03/2024	2	Introduction to PHP	LAB		Introduction to PHP: Chapter-4 , Pages:39-41
22	05/03/2024	3	Creating college application	LAB		Creating college application: Chapter-4 , Pages:41-43
23	13/03/2024	2	Selenium IDE	LAB		Selenium IDE: Chapter-4 , Pages:43-45


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24	13/03/2024	3	Write a test case for developing a College application form using PHP and Validate using Selenium IDE.	LAB		Write a test case for developing a College application form using PHP and Validate using Selenium IDE.: Chapter-4 , Pages:45-47
Unit 5						
25	21/03/2024	2	PHP - HTML, Javascript , CSS	LAB		PHP - HTML, Javascript , CSS: Chapter-5 , Pages:49-49
26	21/03/2024	3	Customer registration form	LAB		Customer registration form: Chapter-5 , Pages:49-51
27	01/04/2024	2	Validate the form	LAB		Validate the form: Chapter-5 , Pages:51-53
28	01/04/2024	3	How to run Selenium IDE	LAB		How to run Selenium IDE: Chapter-5 , Pages:53-55
29	08/04/2024	2	Write a test case for developing the Customer Registration form using PHP and Validate using Selenium IDE.	LAB		Write a test case for developing the Customer Registration form using PHP and Validate using Selenium IDE.: Chapter-5 , Pages:55-57



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30	08/04/2024	3	Validate test cases using Selenium IDE	LAB	Validate test cases using Selenium IDE: Chapter-5 , Pages:57-59
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Faculty Signature

Coordinator

K. Dhandu
Head of the Department