



AUXILIUM COLLEGE (Autonomous)

(Accredited by NAAC with A+ Grade with a CGPA of 3.55 out of 4 in the 3rd cycle)
Gandhi Nagar, Vellore – 6.

**DEPARTMENT OF COMPUTER
APPLICATIONS
LESSON PLAN
2021-2022**

LESSON PLAN

Academic Year : 2021-2022
 Class : II B.C.A.
 Subject : DATA STRUCTURES
 Hours / Week : 5
 Credits : 4

Semester : III
 Class Code : 09
 Subject Code : VCEAG 20
 Total Hours : 25
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
<u>07-08-2021</u> to <u>13-08-2021</u>	<u>5</u>	<u>I</u>	<u>Introduction - Data Structures operations</u>	<u>Interactive Teaching & Learning</u> <u>* Google Meet</u>	<u>Data Structures</u> <u>- Schaum's series</u>	<u>Oral Question & Answers</u>
<u>16-08-2021</u> to <u>20-08-2021</u>	<u>5</u>	<u>I</u>	<u>Complexity & Time space of Algⁿ. - Mathematical Notation & functions - Algorithm Notations</u>	<u>Interactive Teaching</u> <u>* Google Meet</u>	<u>Data Structures</u> <u>- Schaum's Series</u>	<u>Oral Test</u>
<u>23-08-2021</u> to <u>27-08-2021</u>	<u>5</u>	<u>I</u>	<u>Complexity of Algorithms - Subalgorithms - Data types</u>	<u>Google Meet & Google Classroom</u>	<u>Data Structures</u> <u>- Schaum's series</u>	<u>Oral Test</u>
<u>31-08-2021</u> to <u>04-09-2021</u>	<u>5</u>	<u>I</u>	<u>String Processing - Basic Terminology - storing strings - character Data types - string operations</u>	<u>Interactive Teaching</u> <u>* Google Meet</u>	<u>Data Structures</u> <u>- Schaum's series</u>	<u>Assignment</u>
<u>06-09-2021</u> to <u>09-09-2021</u>	<u>4</u>	<u>II</u>	<u>Linear Array - Representation in Memory - Array Traversing</u>	<u>Black Board Teaching</u> <u>* Google Meet</u>	<u>Data Structures</u> <u>- Schaum's series</u>	<u>Oral Test</u>
<u>13-09-2021</u> to <u>17-09-2021</u>	<u>5</u>	<u>II</u>	<u>Inserting and Deleting - Sorting and Searching</u>	<u>Google Meet</u> <u>* Blackboard Teaching</u>	<u>Data Structures</u> <u>- Schaum's series</u>	<u>Assignment</u>

<u>I</u> 20-09-2021 24-09-2021	5	<u>II</u>	Multidimensional Array - Pointer Array	Interactive Teaching Google Meet	Data Structures - Schaum's Series	Oral Test
<u>I</u> 22-09-2021 23-09-2021	-	-	I CA Examination	-	-	-
<u>I</u> 30-09-2021 01-10-2021	3	<u>III</u>	Linked List - Representation in Memory - Traversing	Interactive Teaching * Google Meet	Data Structures - Schaum's Series	Oral Test
<u>I</u> 04-10-2021 08-10-2021	5	<u>III</u>	Searching - Garbage Collection - Insertion and deletion.	Black Board Teaching * Google Meet	Data Structures - Schaum's Series	Oral Test
<u>II</u> 11-10-2021 18-10-2021	3	<u>III</u>	Headers - Two-way List - Array Representation	Google Meet * Interactive Teaching & Learning	Data Structures - Schaum's Series	Assignment
<u>III</u> 18-10-2021 22-10-2021	5	<u>III</u>	Arithmetic Expressions - Recursion - Queues	Google Meet Black Board Teaching	Data Structures - Schaum's Series	Assignment
<u>IV</u> 25-10-2021 29-10-2021	5	<u>III</u>	Applications of circular queues - Priority queues.	Interactive Teaching * Google Meet	Data Structures - Schaum's Series	Oral Test
<u>I</u> 01-11-2021 05-11-2021	5	<u>IV</u>	Trees - Binary Tree - Representation in Memory - Tree Traversals - Binary Search Trees.	Google Meet * Black Board Teaching	Data Structures - Schaum's Series	Written Test
<u>II</u> 02-11-2021	4	<u>IV</u>	Searching - Insertion & Deletion - Path Length - General Trees	* Google Meet * Black Board	Data Structures - Schaum's Series	Assignment

Academic Year : 2021-2022
 Class : IV B.C.A.
 Subject : Data Structures
 Hours / Week : 5
 Credits : 4

Semester : III
 Class Code : 09
 Subject Code : UCCAG 20
 Total Hours : 75
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
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12-11-2021 to 12-11-2021 4 14 Searching - Inserting & Deleting - Path Length - General Trees * Google Meet + Blackboard teaching - Schaum's series Data Structures Assignment

LESSON PLAN

Academic Year : 2021-2022
 Class : III B.C.A.
 Subject : Data Structures
 Hours / Week : 5
 Credits : 4

Semester : III
 Class Code : 09
 Subject Code : UCCAA 20
 Total Hours : 75
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
15-11-2021 to 19-11-2021	-	-	II CA Examination	-	-	-
22-11-2021 to 28-11-2021	5	I	Graphs - Sequential Representation Adjacency Matrix	Black Board Teaching - Google Meet	Data Structures - Schaum's Series	Oral Test
29-11-2021 to 06-12-2021	5	I	Path Matrix - Heap Sort - Warshall's Algorithm	Interactive Teaching - Google Meet	Data Structures - Schaum's Series	Assignment
06-12-2021 to 10-12-2021	5	I	Graph Traversal - Hashing.	Black Board Teaching - Google Meet	Data Structures - Schaum's Series	Oral Test

LESSON PLAN

Academic Year : 2021 - 2022
 Class : I B.C.A.
 Subject : Programming in 'C'
 Hours / Week : 4 Hrs
 Credits : 4

Semester : I
 Class Code : 09
 Subject Code : UCCAA20
 Total Hours : 60
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
IV 23-08-2021 to 27-08-2021	4	-	Bridge course - Introduction to computers - Introduction to programming Languages	- Google Meet - Interactive Teaching	wikipedia.org	Oral Test
I 31-08-2021 to 04-09-2021	4	I	Algorithm - Flowchart - Overview of C - History of C Language	- Google Meet - Google classroom	Programming in 'C' - labgururam.com	Oral Test
I 06-09-2021 to 09-09-2021	4	I	Simple C programs - Constants - variables	Google Meet - - online C compiler	Programming in 'C' - labgururam.com	Assignment
II 13-09-2021 to 17-09-2021	4	I & II	Data Types - Operators - Expressions	- Interactive Teaching - Google Meet	Programming in 'C' - labgururam.com	Oral Test
II 20-09-2021 to 24-09-2021	4	II	Naming I/O operations - Decision Making & Branching Proc I: I/O operations	- Google Meet - Google classroom - online C compiler	Programming in 'C' - labgururam.com	Assignment
II 27-09-2021 to 30-09-2021	3	II	Decision Making and Looping Proc II: Decision Making Statements	- Interactive Teaching - Google Meet - online C compiler	Programming in 'C' - labgururam.com	Assignment

01.10.2021 to 08.10.2021	-	-	I CA Examination	-	-	-
11.10.2021 to 15.10.2021	4	III	Arrays - One dimensional & Two dimensional array. Proc III: Array and Looping statement	* Google meet * online 'c' compiler	Programming in 'c' - Balagurusamy E	Oral Test
18.10.2021 to 22.10.2021	4	III	Multidimensional array - Dynamic array - Predefined streams. Proc IV: Two dimensional array	* Google meet * online 'c' compiler	Programming in 'c' - Balagurusamy E	Assignment
24.10.2021 to 29.10.2021	4	IV	Character Array & Strings - Reading & Writing string - Arithmetic operations on string. Proc V: Character Array.	Interactive Teaching - Google meet - online 'c' compiler	Programming in 'c' - Balagurusamy E	Oral Test
01.11.2021 to 05.11.2021	4	IV	String operations - String Handling functions - Other features of string.	- Google meet	Programming in 'c' - Balagurusamy E	Written Test
08.11.2021 to 12.11.2021	-	-	II CA Examination	-	-	-
15.11.2021 to 19.11.2021	4	V	User-defined functions - categories of functions - Recursion Proc VI: Recursion	Interactive Teaching - Google meet - online 'c' compiler	Programming in 'c' - Balagurusamy E.	Oral Test
22.11.2021 to 26.11.2021	4	V	Passing Array to functions - Passing strings to functions. Proc VII: Concept of Functions.	Interactive Teaching - online 'c' compiler	Programming in 'c' - Balagurusamy E	Oral Test
29.11.2021 to 03.12.2021	4	V	scope, visibility & life time of variables Proc VIII: Structures & unions.	Google meet - online 'c' compiler	Programming in 'c' - Balagurusamy E	Assignment

LESSON PLAN

Academic Year : 2021-2022
 Class : III BCA
 Subject : Cryptography

Semester : VI
 Class Code : 09
 Subject Code :
 Total Hours : 75
 Total Marks : 100

23.11.2021
03.12.2021

4

type, Vectors & Lipschitz of variables
Proc VIII: Structures & errors

Google meet
- online c' confer

Programming
- Bloggersany5

Assignment

LESSON PLAN

Academic Year : 2021-2022
Class : II BCA
Subject : Cryptography
Hours / Week : 5 Hrs / week
Credits : 5

Semester : V
Class Code : 09
Subject Code :
Total Hours : 75
Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
IV 23.02.22 to 28.02.22	3	I	Computer Security Concepts - OSI Security Architecture - Security Attacks & Services.	Chalk & Board method	Cryptography & N/w Security - William Stallings	Assignment
I 01.03.22 to 05.03.22	4	I	Security Mechanisms, - Model for network security - Symmetric cipher Model - Substitution Techniques	Interactive Teaching	Cryptography & N/w Security - William Stallings	Oral Test
II 07.03.22 to 11.03.22	4	I & II	Steganography - Block cipher Design Principles - DES & DES examples	Interactive Teaching	Cryptography & N/w Security - William Stallings	Written Test
III 14.03.22 to 19.03.22	4	II	Strength of DES - Differential & linear cryptanalysis -	Chalk & Black Board method	Cryptography & N/w Security - William Stallings	Oral Test
IV 21.03.22 to 26.03.22	4	II	Block cipher Design Principles - Divisibility & division algorithms	Chalk & Black Board method	Cryptography & N/w Security - William Stallings	Written Test
V 28.03.22 to 30.03.22	4	II	Euclidean Algorithms - Modular Arithmetic.	Chalk & Black Board method	Cryptography & N/w Security - William Stallings	Assignment

31.03.22 10	-	-	I CA Examination	-	-	-
07.04.22 11	4	III	Prime Numbers - Fermat's & Euler's theorem - testing for Primality - Chinese Remainder Theorem.	Chalk & Black Board methods	Cryptography & N/w Security - William Stallings	Written Test
13.04.22 18	4	III	Origin of AES - AES Structures - AES Round function.	Interactive Teaching	Cryptography & N/w Security - William Stallings	Oral Test
23.04.22 24	5	III	AES Key expansion - AES implementation - multiple encryptions & Triple DES.	Chalk & Black Board methods	Cryptography & N/w Security - William Stallings	Assignment
30.04.22 04.05.22 06	5	III	Principles of Public Key Cryptosystems	Interactive Teaching	Cryptography & N/w Security - William Stallings	Assignment
07.05.22 13.05.22 07	5	IV & V	Public Key Cryptosystems - RSA algorithm - Diffie Hellman key exchange Symmetric key Dist ⁿ using symmetric encryption	Chalk & Black Board methods	Cryptography & N/w Security - William Stallings	Oral Test
14.05.22 21.05.22 18			II CA Examination	-	-	-
28.05.22 28.05.22 20	5	V	Symmetric key distribution using asymmetric encryption - Distribution of Public keys - Kollekte Revision.	Interactive Teaching	Cryptography & N/w Security - William Stallings	Assignment

Academic Year : 2021-2022
 Class : D B.C.A.
 Subject : SBE - Design & Animation
 Hours / Week : 2 hrs per week
 Credits : 4

Semester : IV
 Class Code : 09
 Subject Code : SSCB420
 Total Hours : 80
 Total Marks : 100

LESSON PLAN

Academic Year : 2021-2022
 Class : D B.C.A.
 Subject : SBE - Design & Animation
 Hours / Week : 2 hrs per week
 Credits : 4

Semester : IV
 Class Code : 09
 Subject Code : SSCS BA 20
 Total Hours : 80
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
25.02.22 to 28.02.22	2	I	Introduction to multimedia - Elements of multimedia systems Benefits of using multimedia	Demo class & Interactive Teaching	Multimedia in Practice - Jeffrey Jude	Practical o/p Verification
01.03.22 to 05.03.22	2	I	Multimedia Platforms : Multimedia Hardware & System Software	Demo class - Interactive Teaching	Multimedia in Practice - Jeffrey Jude	Quiz & Oral Test
07.03.22 to 11.03.22	2	I	Future Directions - Storage for multimedia - Magnetic media - optical media	Demo class Interactive Teaching	Multimedia in Practice - Jeffrey Jude	Assignment
14.03.22 to 19.03.22	2	II	Introduction to Bitmaps & vectors - Toolbox - color settings (1) color transformation using Photoshop	Demo class	Photoshop CS6 in Simple steps - Kogent Learning	Practical o/p Verification
21.03.22 to 26.03.22	2	II	working with layers - Managing layers (2) creating an action in Photoshop (3) Design a Book cover in Photoshop	Demo class	Photoshop CS6 in Simple steps - Kogent Learning	Practical o/p Verification
28.03.22 to 30.03.22	2	II	Palettes (4) Creating Animation using Photoshop	Demo class.	Photoshop CS6 in Simple steps - Kogent Learning	Practical o/p Verification

31.05.22 07.06.22	-	-	I CA Examination	-	-	-
07.06.22 14.06.22	2	III C V	Introduction to Flash - Basics - Creating objects - Editing objects	Demo class	Flash CSS in simple steps	OIP Verification
14.06.22 21.06.22	2	III C V	Color & Text - Symbols & Instances. 5) Traffic light control using Action Script in Flash.	Demo class	Flash CSS in simple steps	Output Verification
21.06.22 28.06.22	2	III C V	Text Animation - Motion Tweening - shape	Demo class	Flash CSS in simple steps	OIP Verification
28.06.22 05.07.22	2	III C V	Tweening - motion guide - None clip (6) Create a slide show presentation in Flash	Demo class	Flash CSS in simple steps	output verification
05.07.22 12.07.22	2	III C V	Working with Action Script (7) Design a Greeting Card using both	Demo class	Flash CSS in simple steps	Output Verification
12.07.22 19.07.22			II CA Examination	-	-	-
19.07.22 26.07.22	2	III C V	(8) Create a Public Service Awareness using Action Script in Flash	Demo class	Flash CSS in simple steps	Output Verification
26.07.22 02.08.22			Revision	-	-	-

Academic Year : 2021-2022
 Class : BCA
 Subject : Python
 Hours / Week : 4/week

Semester : II
 Class Code : 09
 Subject Code :
 Total Hours : 60
 Total Marks : 100

LESSON PLAN

Academic Year : 2021-2022
 Class : BCA
 Subject : Python
 Hours / Week : 4/week
 Credits : 1

Semester : II
 Class Code : 09
 Subject Code :
 Total Hours : 60
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
IV 23.02.22 to 28.02.22	4	I	Computer Systems - Python Programming Languages.	Chalk & Black Board method	Computing using Python - Lyubomir Perhovic	Assignment
I 01.03.22 to 05.03.22	4	I	Computational Thinking Python Data types - Expressions, variable assignments, strings - lists - objects & classes.	Chalk & Black Board method	Computing using Python - Lyubomir Perhovic	Oral Test
II 07.03.22 to 11.03.22	4	I & II	Python standard library - Imperative Programming - Python modules - Print()	Interactive Teaching	Computing using Python - Lyubomir Perhovic	Oral Test
III 14.03.22 to 19.03.22	4	II	Function eval() - Control structures - user defined functions - Python variables	Interactive Teaching	Computing using Python - Lyubomir Perhovic	Assignment
IV 21.03.22 to 26.03.22	4	II & III	Assignments Parameter passing - Text - Data	Interactive Teaching	Computing using Python - Lyubomir Perhovic	Oral Test
V 28.03.22 to 30.03.22	4	III	Exception - Strings Revisited.	Interactive Teaching	Computing using Python - Lyubomir Perhovic	Written Test

LESSON PLAN

Academic Year : 2021-2022
 Class : I BCA
 Subject : Practical I : Python
 Hours / Week : 2 Hrs / week
 Credits : 3

Semester : II
 Class Code : 09
 Subject Code : JCCAF 20
 Total Hours : 30
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
I 01-03-22 to 05-03-22	2	I	Program to convert temperature from Fahrenheit to Celsius & vice versa.	Demo class	Python software	Output verification
II 11-03-22 to 15-03-22	2	II	Program to calculate total marks, percentage & grade of a student	Demo class	Python compiler	Output verification
III 21-03-22 to 26-03-22	2	III	Program to find the area of rectangle, square, circle & Triangle using function.	Demo class	Python compiler	Output verification
IV 28-03-22 to 30-03-22	2	IV	Program to display n terms of fibonacci series.	Demo class	Python compiler	Output verification
V 07-04-22 to 12-04-22	2	V	Program to find factorial of a given number	Demo class	Python compiler	Output verification
VI 18-04-22 to 21-04-22	2	VI	Program to find sum of the series.	Demo class	Python compiler.	Output verification

WORK DONE

Academic Year : 2021-2022

Class : II BCA, I BCA

Semester : II, I

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
09.08.2021 to 13.08.2021	II BCA	Introduction to Data Structures - Data Structure Operations	Data Structures - Schaum's Series	- Interactive Teaching - Google Meet
16.08.2021 to 20.08.2021	II B.C.A.	Complexity & Time Space of Algm. Mathematical notations Asymptotic Notation	Schaum's Series	- Interactive Teaching - Google Meet
21.08.2021 to	II B.C.A.	Complexity of Algorithms - Subalg. - Data Types	Schaum's Series	- Interactive Teaching - Google Meet
27.08.2021	I B.C.A.	Introduction to computers & Programming Languages.	Wikipedia. Bj	- Interactive Teaching - Google Meet
31.08.2021 to	II B.C.A.	String Processing - char, data types - string operations & functions	Schaum's Series	Google Meet
04.09.2021	I B.C.A.	Algorithm - Flowchart - Overview of C - History of C.	E. Balagun - Sony	Interactive Teaching
06.09.2021 to	II B.C.A.	Linear Array - Memory Representation - Array Traversing	Schaum's Series	Google Meet
09.09.2021	I B.C.A.	Simple C Programs - Constants - variables	E. Balagun - Sony	Google Meet - online 'c' compiler
10.09.2021 to	II B.C.A.	Insertion & Deletion in an Array - Searching & Sorting in an array	Schaum's Series	Interactive Teaching
18.09.2021	I B.C.A.	Data types - operators - Expressions	E. Balagun - Sony	Google Meet
20.09.2021 to	II B.C.A.	Multidimensional Array - Pointer Array.	Schaum's Series	Interactive Teaching
24.09.2021	I B.C.A.	Managing I/O operation - Decision Making & Branching Practical I: I/O operation	E. Balagun - Sony	Google Meet online 'c' compiler

22-09-2021	I B.CA	I CA Examination		
01-10-2021	I B.CA	Decision Making & Looping Practical II: Decision Making Statements	E. Balagun - Sarany	Google meet Online Learning
04-10-2021 to	II B.CA	Searching - Garbage collection - Insertion and deletion	Schaum's Series	Google meet
08-10-2021	I B.CA	Arrays - one dimensional and two dimensional array. Practical III: Array and Looping Statements	E. Balagun - Sarany	Interactive Teaching
11-10-2021 to	II B.CA	Headers - Two-way List	Schaum's Series	Google meet
16-10-2021	I B.CA	Multidimensional Array - Dynamic Array	E. Balagun - Sarany	Interactive Teaching
18-10-2021 to	II B.CA	Two-way List: Array Representation - Arithmetic Expressions	Schaum's Series	Google meet
23-10-2021	I B.CA	Arrays - Predefined Streams I CA Examination	E. Balagun Sarany	Interactive Teaching
25-10-2021	II B.CA	Applications of circular Queue - Priority Queue	Schaum's Series	Google meet
30-10-2021	I B.CA	Character Array - Reading & Writing a string - String Operations	E. Balagun - Sarany	Interactive Teaching
01-11-2021 to	II B.CA	Trees - Binary Tree - Representation in Memory - Tree Traversal	Schaum's Series	Interactive Teaching
06-11-2021	I B.CA	String operations - string handling functions	E. Balagun - Sarany	Google meet

Academic Year :
Class :

Date Class

09-11-2021 to
20-11-2021

15-11-2021 to

20-11-2021

22-11-2021 to

06-11-2021

29-11-2021 to

03-12-2021

Handwritten notes: 20/11/21

Handwritten initials: R

WORK DONE

Academic Year : 2021 - 2022

Semester : IV, I

Class : II BCA, I BCA

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
08-11-2021 to	<u>II</u> BCA	Binary Search Trees - Searching, Inserting and deleting.	Schaum's Series	Google meet
12-11-2021	<u>I</u> BCA	Other features of string. Practical <u>VI</u> : Character Array Practical <u>VII</u> : concept of function Practical <u>VIII</u> : Recursion.	E. Balagan - sang	Interactive Teaching
15-11-2021 to	<u>II</u> BCA	Path length - General Trees.	Schaum's Series	Google meet
20-11-2021	<u>I</u> BCA	User-defined functions - Categories of function. Practical <u>IX</u> : Structures & Union	E. Balagan - sang	Interactive Teaching
22-11-2021 to	<u>II</u> BCA	Graphs - Sequential Representation.	Schaum's Series	Interactive Teaching chalk & black board
26-11-2021	<u>I</u> BCA	Recursion.	E. Balagan - sang	
29-11-2021 to	<u>II</u> BCA	Adjacency Matrix - Path Matrix	Schaum's Series	Google meet
03-12-2021	<u>I</u> BCA	Passing array to functions Revision - (i) concept of function Practicals: (ii) Recursion.	E. Balagan - sang	Interactive Teaching

WORK DONE

Academic Year : 2021 - 2022

Semester : I, II, III

Class : I BCA, II BCA & III BCA

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
23-02-22	I BCA	Computer systems - Python Programming Languages.	Jyulamin Perbore	Chalk & Black board method
↳	II BCA	Multimedia : Introduction - Elements - Benefits	Jeffcoate Judith	Interactive Teaching
28-02-22	III BCA	Computer security concepts - OS Security Architecture - Security Attacks & Services.	William Stallings	Chalk & Black board method
01-03-22	I BCA	Data types - Expressions - Variables String - List - Objects & classes.	Jyulamin Perbore	Interactive Teaching
↳	I BCA	1. Program for Temperature Conversion.	Perbore	Demo class
05-03-22	II BCA	Multimedia Platforms - Multimedia Hardware & Software	Jeffcoate Judith	Interactive Teaching
	III BCA	Security mechanism - Security model. Symmetric cipher model. Substitution methods / Techniques.	William Stallings	Interactive Teaching
14-03-22	II BCA	standard library - Imperative programming - modules - Print()	Jyulamin Perbore	Chalk & Black board method
↳	II BCA	Storage of multimedia - magnetic media - optical media.	Jeffcoate Judith	Demo class
17-03-22	I BCA	Steganography - Block cipher Design Principles - DES & AES examples	William Stallings	Interactive Teaching
21-03-22	I BCA	Function eval() - control structures - user defined functions - variables	Jyulamin Perbore	Interactive Teaching

6		Assignment Parameter passing - Test - Data		
24.03.22	I B CA	(2) Grade calculator (2) Finding area of circle, sq. triangle	Ljubomir Perbovic	Demo class
	II B CA	Bitmaps - vectors - tool box - color settings - layers	Rogent Learning	Demo class
		(1) color Transformator (2) Creating Action in Photoshop	"	"
	III B CA	Strength of DES - Linear & Differential cryptanalysis - Block cipher Design Principles - Divisibility & Division algorithm	William Stallings	Interactive Teaching
28.03.22	I B CA	Exception & String Revisited	Ljubomir Perbovic	Interactive Teaching
6	I B CA	(4) Fibonacci series (5) Factorial calculation	"	Demo class
30.03.22	II B CA	Palettes - (3) Designing books 4) Animation using Photoshop	Rogent Learning	Demo class
	III B CA	Euclidean algorithm - Modular Arithmetic	William Stallings	Interactive Teaching
31.04.22				
6		I CA Examination.		
07.04.22				
08.04.22	I B CA	Prime Numbers & Euler's Theorem.	Ljubomir Perbovic	Interactive Teaching
6	II B CA	Cloning Tool & Heal Tool	Rogent Learning	Demo class

Academic Year : 2021-22
Class : I B CA

Date	Class	
13.04.22	I D CA	File
18.04.22	II B CA	Test
6	II B CA	Issue in Review
23.04.22		
	I B CA	File
25.04.22	III B CA	Test
6	II B CA	Review
28.04.22	I B CA	Error
29.04.22	III B CA	Chun
6	II B CA	Introduction
7.05.22	I B CA	Exercise
09.05.21	II B CA	Origin
6	I B CA	(5) High slide

WORK DONE

Academic Year : 2021-2022

Class : I BCA, II BCA & III BCA

Semester : I, IV, V

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
13-04-2022	I BCA	Files	Ljubomir Perkovic	Interactive Teaching
18-04-22	III BCA	Testing for Primality	William Stallings	Chalk & Black Board
to	II B.IA	Imudge Tool.	Kogent Learning	Demo class
23-04-22		(i) Enhancing an image using Retouching Tools		
	I B.CA	Files - file formats	Ljubomir Perkovic	Interactive Teaching
25-04-22	III B.CA	Testing for Primality	William Stallings	Chalk & Black Board
to	II B.CA	Retouching Tools	Kogent Learning	Demo class
20-04-22	I B.CA	Errors & Exceptions	Ljubomir Perkovic	Interactive Teaching
22-05-22	II BCA	Chinese Remainder Theorem	William Stallings	Chalk & Black Board
to	II BCA	Introduction to Flash - Basics Creating objects - Editing Objects	Kogent Learning	Demo class
07-05-22	I BCA	Execution control Structures - Decision control - IF statements	Ljubomir Perkovic	Interactive Teaching
09-05-21	II BCA	Origin of AES - AES Structure & Round function - AES Key expansion	William Stallings	Chalk & Black Board
to	I BCA	(S) Traffic light control (O) creating slide show - Text & motion Tweening	Kogent Learning	Demo class

13.05.22	I BCA	Containers & Randomness - Dictionary - Build in containers - character encoding	Jzulomer Perbore	Interactive Teaching
16.05.22	II BCA	AES implementation - Multiple & Triple Des - Principles of Public Key Cryptosystems	William Stallings	Block Board
to	II BCA	7) Designing Greeting card (p) credits Public awareness - Motion Tweening - Shape Tweening	Kogent Learning	Demo class
21.05.22	I BCA	Strings - Module Random - For loop iteration pattern.	Jzulomer Perbore	Interactive Teaching
23.05.22	III BCA	RSA algorithm	William Stallings	Chalk & Block board
to	I BCA	Two dimensional list - More loop patterns.	Jzulomer Perbore	Interactive Teaching
25.05.22	I BCA			
26.05.22		II CA Examination.		
to				
27.05.22	II BCA	Diffie-Hellman Key Exchange - Symmetric Key Encryption using Spongy distribution	William Stallings	Chalk & Block board
04.06.22	I BCA	Additional Iterations - Name spaces -	Jzulomer Perbore	Interactive Teaching
06.05.22	II BCA	Asymmetric Key distribution using Asymmetric Encryption - Kerberos	William Stallings	Chalk & Block board
to				
10.05.22	I BCA	Exceptional Flow control - Module as namespace.	Jzulomer Perbore	Interactive Teaching

LESSON PLAN

Academic Year : 2021-2022
 Class : II BCA
 Subject : Mobile Application Development
 Hours / Week : 4+2
 Credits : 4

Semester : V
 Class Code : 09
 Subject Code : UCCAS19
 Total Hours : 60+30
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
			<u>II - CA</u>			
DEC I	4	5	Android; Lifecycle of an Activity, Lifecycle concepts	Blackboard	Android + Application Development	Asking Lifecycle of Activity
<u>II</u>	4	5	Lifecycle call backs: Oncreate(), Onstart(), onResume(), ... ios lifecycle, Deployment Methodologies	Demonstration	Android + Application Development	Oral Test

LESSON PLAN

Academic Year : 2021-2022
 Class : VI BCA
 Subject : Web programming - SBE
 Hours / Week : 2
 Credits : 2

Semester : IV
 Class Code : 01
 Subject Code : USCAB519
 Total Hours : 30
 Total Marks : 40+60=100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
August I	2	1	Introduction to HTML, working with Text & List, Adding Graphics to HTML documents	Lecture Method	Web Enabled Commercial Application development using HTML, DHTML, Javascript and PHP	Asking objective questions
II	2	4	Write a program to design Bio-data using Basic HTML Tags	Demo Method	Google Search web Enabled Commercial APP development using...	Practical Evaluation
September I	2	4	Write a program in HTML to develop a college website	Demo Method	Web Enabled Commercial APP. development using HTML, ...	Practical Evaluation
II	2	1	Creating Tables, working with links & URLs, working with HTML Frames	Demonstration Method	Web Enabled Commercial APP. development using HTML, DHTML, ...	Oral Test
III	2	4	write a program to create Time Table preparation using HTML tags calculator program in Javascript	Interactive Teaching Method	Google Search web Enabled Commercial APP. development using HTML, ...	Practical Evaluation
IV	2	3	JavaScript: Introduction to Scripting, Advantages, Basic programming Techniques operators & Expressions	Lecture Method	Web Enabled Commercial Application Development using HTML, ...	By Asking questions

I - CA						
OCT	2	2	Conditional and super controlled loops, Functions in Javascript, User Defined function, object Model.	Black-board, Interactive teaching Method	Web Enabled Commercial APP. development using.	Asking Questions
III	2	4	Write a JavaScript program to scroll name in scroll bar	Demo Method	Web Enabled Commercial APP. development using	Practical Evaluation
IV	2	5	Write a program to create a JavaScript code block using arrays to generate current date in words	Demo Method	Web Enabled Commercial APP. development using	Practical Evaluation
V	2	5	Write a program to display even and odd numbers using Javascript	Demo Method	Web Enabled Commercial APP. development using wikipedia.org	Practical Evaluation
NOV	2	2	Dynamic HTML: overview of CSS, font & text styles, color and background attributes in CSS, Borders and List	Demonstration Method, Black-board Method	Web Enabled Commercial APP. development using HTML	Asking Syntax in DHTML
II	2	5	Write a program to create our Department details using CSS	Demo Method	Internet and world wide web How to program	Practical Evaluation
		5	Write a program to create a food menu in hotel using CSS	Demo Method	Internet and world wide web How to program	Practical Evaluation

Academic Year : 2021-2022
 Class : III BCA
 Subject : WEB PROGRAMMING - SBE
 Hours / Week : 2
 Credits : 2

Semester : I
 Class Code : 09
 Subject Code : US CAB 519
 Total Hours : 30
 Total Marks :

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
III	2	2	Class, External style sheets, working with DIV, CSS	Interactive	HTML & XML	Asking

LESSON PLAN

Academic Year : 2021-2022
 Class : III B.C.A
 Subject : WEB PROGRAMMING - SBE
 Hours / Week : 2
 Credits : 2

Semester : I
 Class Code : 09
 Subject Code : USCA B519
 Total Hours : 30
 Total Marks :

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
III	2	2	Class, External style sheets, working with DIV, SPAN Tag, XML overview, working with Basics of XML	Interactive Teaching Method	HTML & XML for Beginners	Asking questions, Assignment
IV			I.C.A			
DFC I	2	2	XML Namespaces, DTD, XML Schema, Extensible style sheets and XSL Transformation.	Demonstration Method	HTML & XML for Beginners	Oral Test
II Practical	2	5	creating a program to flip text using XML.	Demonstration Method	HTML & XML for Beginners	Practical Evaluation

LESSON PLAN

Academic Year : 2021-2022

Class : D B CA

Subject : Fundamentals of Information Technology

Hours / Week : 4

Credits : 5

Semester : 3

Class Code : 9

Subject Code : 02CAB20

Total Hours : 60

Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
August Iv	4	1	Introduction about Computer	Powerpoint Presentation	wikipedia.org Google Meet	Oral Test
September I	4	1	Introduction to Computer, Characteristics of a Computer	Lecture Method Google Meet	Fundamentals of Information Tech..	Oral Questions
II	4	1	Classification of Computer, Anatomy of the Computer, Applications / uses of Computers	PPT Demo method	Fundamentals of IT	Oral Test
III	4	1	Definition, Application of Information Technology, Technological Trends in IT	Interactive Teaching Method	wikipedia.org Google Search.	Assignment
IV	4	2.	Input devices, Output Devices, Data Representation	PPT chalk & Talk method	Fundamentals of IT	Asking Oral Questions
V	4	2	Data Representation, Programming languages, System & Application Software	Lecture Method	Fundamentals of IT	Summs will be given [conversion]

OCT			I - CA				
(i)	4	3	Computer Network, overview of Networks, Internet & Extranet	Chalk & Talk Method	Fundamentals of IT	Oral Test	
(ii)	4	3	Communication processor. Communication Media	Lecture Method	Fundamentals of IT	Oral questions will be asked	
(iii)	4	3	Types of Networks, Network topologies	Chalk & Talk Method	Fundamentals of IT	Assignment	
(iv)	4	4	Internet and its Applications, History, uses, Advantages	Lecture Method	Introduction to IT - Rizwan Ahmed	Objective type questions	
Nov	4	4	Internet Access, types of Internet Connection, Internet protocols and Services, Internet Addressing	Chalk & Talk Method	Introduction to IT - Rizwan Ahmed	Full Form questions	
(i)	4	4	IP Address, URL, DNS, web Browsers and Search Engine, E-mail	Lecture Method	Fundamentals of IT	Oral Test	
(ii)	4	4	Search Engine and Email with Examples	Demonstration Method	Fundamentals of IT	Email Creation steps question	

Academic Year : 2021-2022
 Class : I BCA
 Subject : Fundamentals of Information Technology
 Hours / Week : 4
 Credits : 5

Semester : I
 Class Code : 07
 Subject Code : UCCAB20
 Total Hours : 56
 Total Marks : 40/60

Proposed	No. of		Topics to be	Teaching	Learning	Methods of
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LESSON PLAN

Academic Year : 2021-2022
 Class : I BcA
 Subject : Fundamentals of Information Technology
 Hours / Week : 4
 Credits : 5

Semester : 5
 Class Code : 89
 Subject Code : UCCAB20
 Total Hours : 56
 Total Marks : 40+60

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
iv			II - CA			
DEC I	4	3	Operating System: Evolution of OS, Functions of OS	Lecture Method	Introduction to IT -ITL Education solution Ltd.	Written test
ii Kumar	4	5	Classification of OS, Example of OS, Difference between windows & Dos, Difference between Linux & windows	Chalk & Talk Method	Introduction to IT -Rizwan Ahmad	Differences between OS Questions

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LESSON PLAN

Academic Year : 2021 - 2022
 Class : VI BCA
 Subject : INTERNET PROGRAMMING
 Hours / Week : 4
 Credits : 5

Semester : VI
 Class Code : 07
 Subject Code : UCCAW19
 Total Hours : 60
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Feb <u>IV</u>	4	I	Introduction about Javascript, Values, Numbers, Strings, Unary operators, Boolean values, Empty values, etc	Lecture Method	Eloquent Javascript - No starch press	Abkij Oral Questions
Mar <u>I</u>	4	I	Program Structure: Expressions and Statements Bindings, Binding names, Environment Function, console.log, Return values, Conditional Execution, loops	Interactive Teaching Method	Eloquent Javascript - Mariji Havenbeke	Practical Evaluation
Mar <u>II</u>	4	I, II	Updating Bindings succinctly, Switch, Capitalization, Comments, Functions, Arrow Functions, Recursion, Growing Functions	Lecture Method	Eloquent Javascript - Mariji Havenbeke	Classroom Assessment
Mar <u>III</u>	4	II	Data Structures: Objects and Arrays, Data sets, properties, Methods, Objects, Mutability, Lycaon's Loz, Correlation	chalk & talk Method	Eloquent Javascript - Mariji Havenbeke	Oral Test
Mar <u>IV</u>	4	II	Array Loops, Final Analysis, Strings and their properties, Rest parameters, Math object, Destructuring, JSON	Black board, Lecture Method	Eloquent Javascript - Mariji Havenbeke	Assignment
Apr <u>I</u>] - CA			

Apr II	4	II	Introduction to PHP, web server, Apache, PHP Install, Variables, Data types, Strings, Control structure, PHP Functions	Demo Method	Web Enabled Commercial Application Development using... - Ivan Bayross	Classroom Assessment
Apr III	4	III	PHP Arrays, PHP Super Global, String Functions, Date and time Functions, Mathematic and Miscellaneous Functions	Black-board Chalk & talk Method	Web Enabled Commercial Applications Development using... - Ivan Bayross	Oral Test & written test
Apr IV	4	IV	Basic Form processing, Form Handling, Form Validation, URL, Email, PHP Form Complete, PHP MYSQL Functions, create DB	Lecture Method	Web Enabled Commercial Application Development using... - Ivan Bayross	Practical Evaluation.
May I	4	V	Create Table, Insert, select, update, Limit Data, Table Join, Database Driven Application.	Demo Method	Teach Yourself - PHP, MYSQL, Apache - Julie C. Meloni	Tables related Questions
May II			II CA			
May III	4	V	PHP Arrays, Multi-PHP Date and time, PHP Include	Interactive Teaching Method	Teach Yourself - PHP, MYSQL, Apache - Julie C. Meloni	Classroom Assessment
May IV	4	VI	PHP File Handling, File open/Read, File Create/Write, File Upload, PHP Cookies, PHP Session	Lecture Method	Teach Yourself - PHP, MYSQL, Apache - Julie C. Meloni	Oral & written test
June I	4	VII	PHP Filters, PHP Filters Advanced, PHP Error Handling, PHP Exception, COM, DOM, CURL, SOAP	Chalk & Talk Method	Teach Yourself - PHP, MYSQL, Apache - Julie C. Meloni	Asking Questions and Abstraction.
June II			Revision			

Academic Year : 2021 - 2022
 Class : All UH - III Year
 Subject : Certificate course
 Hours / Week : 15
 Credits : 2

Semester : VI
 Class Code : -
 Subject Code : UXCOM19
 Total Hours : 15
 Total Marks : 100

Proposed Unit	No. of Unit	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
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June	4	2	Error Handling, PAP Exception, COM DOM, CURL, SOAP	Method	-Julie c. Meloni.	Abbreviation.
June			Revision			

LESSON PLAN

Academic Year : 2021 - 2022
 Class : All UG - IV Year
 Subject : Certificate course
 Hours / Week : 15
 Credits : 2

Semester : VI
 Class Code : -
 Subject Code : UXL0M19
 Total Hours : 15
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Day 1	2.30	1, 2	Basics of Computer MS word, Standard Tool Bar, Formatting bot bar, Formatting text	Lecture Method & Demo Method	Certificate Course - A. Muthulakshmi	Asking oral Questions
Day 2	2.30	2	Inserting Table, Pictures, Word Art, clip art, Objects, Header and Footer. Certificate creation, Mail Merge	Interactive Teaching Method	Certificate Course - A. Muthulakshmi	Practical Evaluation
Day 3	2.30	3	MS Excel: Formulas and Functions, Worksheets, Insert & Delete Row/Column, Functions in Excel.	Demo Method	Certificate Course - A. Muthulakshmi	Asking Formulas & procedures
Day 4	2.30	3	Sorting, Filtering, Creating charts in MS Excel, Font, Alignment, Currency	Lecture Method and Demo Method	Certificate Course - A. Muthulakshmi	Asking to do different types of filtering
Day 5	2.30	4	MS Power Point: Views, Creating Slides, changing the Design of Slides, Inserting Textbox, Clipart, Video clips, Sound	Interactive teaching Method	Certificate Course - A. Muthulakshmi	Asking Questions Practical Evaluation.
Day 6	2.30	4	Transitions, Build Effects, Setting Transitions and timings, Adding Animation Effects	Demo Method.	Certificate Course - A. Muthulakshmi	Oral & written test.

AM
6/1

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WORK DONE

Academic Year : 2021-2022

Semester : V, I

Class : I, III

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
17.8.2021 to 20.08.2021	III BCA [APP]	Introduction, Android versions, Features and Architecture of Android	Android 4 Application Development	Lecture method Google Meet
	III BCA [APP]	Introduction to HTML, working with text & List, Adding Graphics	Web Enabled Application Development	Interactive Teaching Method
23.08.2021 to 27.08.2021	III BCA [APP]	Obtaining the Required tools. Create AVD & First Android Application	Android 4 Application Development	Google Meet Presentation
	III BCA [APP]	Practical: Creating Bio-data using Basic HTML tags	Web Enabled Application Development using...	Demo Method
	I BCA [IT]	Introduction to Computer	Wikipedia.org	PPT Google Meet
31.05.2021 to 04.09.2021	III BCA [APP]	Types of Android Application, Anatomy of Android Application	Android 4 Application Development	Google Meet Presentation
	III BCA [APP]	Practical: Developing College website using HTML tags	Web Enabled Application Development...	Demo Method
	I BCA [IT]	Characteristics of Computer, classifications of Computer	Fundamentals of IT	Google Meet PPT
06.09.2021 to 09.09.2021	III BCA [APP]	Activities, Linking Activities using intents, Fragments, Adding Fragments dynamically, Lifecycle of Fragment	Android 4 Application Development	Google Meet Presentation
	III BCA [APP]	Creating Tables, working with links & vels, working with HTML Frames, Java Script Introduction, Advantage, Basic operators.	Web Enabled Application Development.	Google Meet Presentation
	I BCA [IT]	Application/uses of Computer, Anatomy of Computer.	Fundamentals of IT	Lecture Method
13.09.2021 to 18.09.2021	III BCA [APP]	Interaction between Fragments, Calling Built-in-Applications using Intents, Intent Filters, Adding Category	Android 4 Application Development	Google Meet Presentation
	III BCA [APP]	Practical: Time table preparation using HTML tags, Create Calculator program using JavaScript	Web Enabled Application Development	Demo Method
	I BCA [IT]	Definition of Information Technology, Applications & Technological Trends In IT	Fundamentals of IT Wikipedia.org	Lecture Method

20.09.2021 to 21.09.2021	(II) BCA [MAD]	Displaying Notifications Revision for ICA	Application Development	Lecture Method
	(II) BCA [MAD]	Basic programming techniques, Expressions Revision for ICA	Web Enabled Application Development	Lecture Method
	I BCA [MAD]	Input Devices, Output Devices, Data Representation	Fundamentals of IT	Group PPT
22.09.2021 to 28.09.2021		ICA		
29.09.2021 to 01.10.2021	(II) BCA [MAD]	Android User Interface, understanding components of a screen	Android 4 Application Development	Demo Method
	I BCA [MAD]	Data Representation, Number system conversion	Fundamentals of IT	Interactive Teaching Method
04.10.2021 to 08.10.2021	(II) BCA [MAD]	Adapting to Display Orientation, Managing changes to Screen Orientation, Utilizing the Action bar	Android 4 Application Development	Project
	(II) BCA [MAD]	Conditional & Super controlled loops, Functions in Javascript	Web Enabled Application Development	Lecture Method
	I BCA [MAD]	Programming Languages, System software & Application Software	Fundamentals of IT	Interactive Teaching Method
11.10.2021 to 16.10.2021	(II) BCA [MAD]	Creating the User Interfaces Programmatically	Android 4 Application Development	Group Project
	(II) BCA [MAD]	Practical: JavaScript Program to scroll name in scroll bar	Web Enabled Application Development	Demo Method
	I BCA [MAD]	Computer Network, Overview of Network, Communication Processors	Fundamentals of IT	PPT
19.10.2021 to 23.10.2021	(II) BCA [MAD]	Listening for UI Notifications, Saving and loading user preferences	Android 4 Application Development	Google Demo
	(II) BCA [MAD]	User-defined functions, Document object model, Dynamic HTML: Overview of CSS	Web Enabled Application Development	Google Lecture
	I BCA [MAD]	ICA		
25.10.2021 to 30.10.2021	(II) BCA [MAD]	Persisting Data to Files, Saving to External Storage Using the Database Programmatically, Pre-creating the Database	Android 4 Application Development	Lecture Method
	(II) BCA [MAD]	Font and Styles, Color and Background Attributes in CSS, Border and List, class, External Style sheets, Div & Span Tag	Web Enabled Application Development (using...)	Interactive Teaching Method
	I BCA [MAD]	Communication Media, Types of Network, Network Topologies, Introduction to Internet	Fundamentals of IT	PPT

Academic Year : 2021-22
Class : I, II

Date	Class	
20.09.2021	(II) BCA	Class
21.09.2021	[MAD]	Cont
22.09.2021	(II) BCA	Cont
23.09.2021	[MAD]	Cont
24.09.2021	(II) BCA	Cont
25.09.2021	[MAD]	Cont
26.09.2021	(II) BCA	Cont
27.09.2021	[MAD]	Cont
28.09.2021	(II) BCA	Cont
29.09.2021	[MAD]	Cont
30.09.2021	(II) BCA	Cont
01.10.2021	[MAD]	Cont
02.10.2021	(II) BCA	Cont
03.10.2021	[MAD]	Cont
04.10.2021	(II) BCA	Cont
05.10.2021	[MAD]	Cont
06.10.2021	(II) BCA	Cont
07.10.2021	[MAD]	Cont
08.10.2021	(II) BCA	Cont
09.10.2021	[MAD]	Cont
10.10.2021	(II) BCA	Cont
11.10.2021	[MAD]	Cont
12.10.2021	(II) BCA	Cont
13.10.2021	[MAD]	Cont
14.10.2021	(II) BCA	Cont
15.10.2021	[MAD]	Cont
16.10.2021	(II) BCA	Cont
17.10.2021	[MAD]	Cont
18.10.2021	(II) BCA	Cont
19.10.2021	[MAD]	Cont
20.10.2021	(II) BCA	Cont
21.10.2021	[MAD]	Cont
22.10.2021	(II) BCA	Cont
23.10.2021	[MAD]	Cont
24.10.2021	(II) BCA	Cont
25.10.2021	[MAD]	Cont
26.10.2021	(II) BCA	Cont
27.10.2021	[MAD]	Cont
28.10.2021	(II) BCA	Cont
29.10.2021	[MAD]	Cont
30.10.2021	(II) BCA	Cont

WORK DONE

Academic Year : 2021-2022

Semester : 2, 2

Class : D, III

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
1.11.2021 to 2.11.2021	III BCA [MAD]	Creating and using Databases, Content provider <i>Practical</i>	Android 4 Application Development	Lecture Method
	II BCA [CWP]	Write a program to create our department details & Food menu using CSS	Web Enabled Application Development	Demo Method.
	I BCA	History of Internet, Advantages & Uses of Internet	Introduction to IT	Lecture Method
8.11.2021 to 11.11.2021	III BCA [MAD]	Sharing Data in Android, creating Your own Content provider, Messaging	Android 4 Application Development	Lecture Method.
	I BCA	Internet Access: Types of Internet Connection, Internet Protocols and Services, IP Address	Fundamentals of IT	PPT
15.11.2021 to 20.11.2021	II BCA [MAD]	SMS Messaging, sending E-mail	Android 4 Application Development	Interactive Teaching Method
	III BCA [CWP]	XML overview, working with Basics of XML, XML Namespaces, DTD, XML Schema	HTML & XML for Beginners	Demo Method
	I BCA	URL, DNS, Web browser and Search Engine	Fundamentals of IT	Demo Method
12.11.2021 to 16.11.2021	III BCA [MAD]	Android Lifecycle: Activity, Lifecycle concepts	Android 4 Application Development	Black Board Method
	II BCA [CWP]	Practical Exercises: Department detail, Food menu using CSS	Web Enabled Application Development	Demo Method.
	I BCA	E-mail, History, How E-mail works, sending E-mail, Reply, Forward Message	Fundamentals of IT	PPT, Demo Method
29.11.2021 to 03.12.2021	III BCA	Life cycle call backs, onCreate(), onStart(), onResume(), onPause(), onStop(), onDestroy(), is lifecycle	Android 4 Application Development	Black Board Method.
	II BCA	Extensible Style Sheets and XSL Transformation	HTML & XML for Beginners	Lecture Method.
	I BCA	Operating System, Evolution of OS, Functions of OS	Fundamentals of IT	Lecture Method.
06.12.2021 to 10.12.2021	II BCA	Life cycle call backs: onPause(), onStop(), onDestroy(), is lifecycle	Android 4 Application Development	Black board Method

WORK DONE

Academic Year : 2021-2022

Semester : V

Class : (i) BCA, (ii) Year-UG

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
23.02.2022 to 26.02.2022	(ii) BCA	Introduction, values, Strings, Boolean, operators, Empty values, Automatic type conversion	Eloquent Javascript	Lecture Method
27.02.2022 to 28.02.2022	(i) B.Sc. Micro Biology	Basics of Computer, MS office: MS-Word Inserting options, Certificate Creation, Mail Merge	Certificate Course	Lecture Method & Demo Method
29.02.2022 to 26.02.2022	(i) B.Sc. Chemistry	Basics of Computer, MS office: MS-Word, Inserting options, Certificate Creation, Mail Merge	Certificate Course	Lecture & Demo Method
28.02.2022 to 25.03.2022	(ii) BCA	Program Structure: Expressions, Bindings, Environment, Conditional Execution, Loops	Eloquent Javascript	Chalk & talk Method
28.02.2022 to 22.03.2022	(i) B.Sc. Micro Biology	MS Excel: Inserting, Deleting Row/columns, Formulas, chart MS ppt: creating slides, Animation Effects	Certificate Course	Interactive teaching Method
28.02.2022 to 28.03.2022	(i) B.Sc. Chemistry	MS Excel: Inserting, Deleting Row/columns, Formulas, chart MS ppt: creating slides, Animation Effects	Certificate Course	Demo Method
23.03.2022 to 25.03.2022	(i) B.Sc. Bio-chemistry	Basics of Computer, MS-office: MS-Word, Insert options, Certificate creation, Mail Merge	Certificate Course	Lecture Method
23.03.2022 to 25.03.2022	(i) B.Sc. Zoology	Basics of Computer, MS-office: MS-Word, Insert options, Certificate creation, Mail Merge	Certificate Course	Lecture Method
27.03.2022 to 11.03.2022	(ii) BCA	Updating Bindings Succinctly, Switch, Comment Functions, Arrow Functions, Recursion, Grouping Functions	Eloquent Javascript	Black Board Method
27.03.2022 to 28.03.2022	(ii) B.Sc. Bio Chemistry	MS Excel: Inserting, Deleting Row/columns, Formulas, chart MS ppt: creating slides, Animation Effects	Certificate Course	Demo Method
27.03.2022 to 28.03.2022	(ii) B.Sc. Zoology	MS Excel: Inserting, Deleting Row/columns, Formulas, chart MS ppt: creating slides, Animation Effects	Certificate Course	Demo Method
27.03.2022 to 11.03.2022	(ii) B.Sc. Physics	Basics of Computer, MS office: MS-Word Certificate Creation, Mail Merge	Certificate Course	Lecture Method
29.03.2022 to 11.03.2022	(ii) BHA	Basics of Computer, MS office: MS-Word Certificate creation, Mail Merge	Certificate Course	Lecture Method
14.03.2022 to 17.03.2022	(ii) BCA	Data Structures: objects & Arrays, Data sets, Properties, Methods, Mutability, Lycopodium's Log	Eloquent Javascript	Chalk & Talk Method
14.03.2022 to 16.03.2022	(i) B.Sc. Physics	MS Excel: Inserting, Deleting Row/columns, Formulas, chart MS ppt: creating slides, Animation Effects	Certificate Course	Demo Method

14-03-2022 to 16-03-2022	(ii) BBA	MS Excel: Insert, Delete Row/columns, Formulas, Chart MS PPT: Creating Slides, Animation Effects	Certificate Course	Demo Method	
17-03-2022 to 19-03-2022	(ii) B.Sc Maths (A)	Basics of Computer, MS-office - MS-word, Certificate creation, Mail Merge	Certificate Course	Lecture Method	academic
17-03-2022 to 19-03-2022	(ii) B.Sc Maths (C)	Basics of Computer, MS-office, MS-word Certificate creation, Mail Merge	Certificate Course	Lecture Method	class
21-03-2022 to 26-03-2022	(ii) BCA	Computing Correlation, Array loops, Strings, Rest parameters, Math objects	Eloquent Javascript	Black box Method	Date
21-03-2022 to 23-03-2022	(ii) B.Sc Maths (A)	MS-Excel: Insert, Delete Row/columns, Formulas, Chart MS-PPT: Creating Slides, Animation Effects	Certificate Course	Demo Method	4-2022 to 4-2022
21-03-2022 to 23-03-2022	(ii) B.Sc Maths (C)	MS-Excel: Insert, Delete Row/columns, Formulas, Chart MS-PPT: Creating Slides, Animation Effects	Certificate Course	Demo Method	4-2022 to 4-2022
24-03-2022 to 26-03-2022	(ii) B.Sc Maths (B)	Basics of Computer, MS-office - MS-word, Certificate creation, Mail Merge	Certificate Course	Lecture & Demo Method	4-2022 to 4-2022
24-03-2022 to 28-03-2022	(ii) BCA	Basics of Computer, MS-office: MS-word, MS-Excel, MS-PowerPoint	Certificate Course	Lecture & Demo Method	4-2022 to 4-2022
28-03-2022 to 30-03-2022	(ii) BCA	Destructuring, JSON Revision	Eloquent Javascript	Black Box Method	4-2022 to 4-2022
28-03-2022 to 30-03-2022	(ii) B.Sc Maths (B)	MS Excel: Insert, Delete Row/columns, Formulas, Chart MS-PPT: Creating Slides, Animation Effects	Certificate Course	Demo Method	04-2022 to 04-2022
28-03-2022 to 30-03-2022	(ii) B.Sc Vision	Basics of Computer, MS-office: MS-word, MS-Excel, MS-Powerpoint	Certificate Course	Lecture & Demo Method	04-2022 to 04-2022
31-03-2022 to 07-04-2022		J-CIA Examinations			04-2022 to 04-2022
08-04-2022 to 09-04-2022	(ii) BCA	Introduction to PHP PHP Definition	Web Enabled Commercial APP Development	Black Box Method	04-2022 to 04-2022
08-04-2022 to 09-04-2022	(ii) B.Com Shift-2 Batch-2	Basics of Computer, MS-office MS word (Formatting, Inserting options)	Certificate Course	Lecture & Demo Method	05-2022 to 05-2022
08-04-2022 to 09-04-2022	(ii) B.Com Shift-2 Batch-2	Basics of Computer, MS-office, MS-word (Formatting Inserting options)	Certificate Course	Lecture & Demo Method	05-2022 to 05-2022
11-04-2022 to 12-04-2022	(ii) BCA	Advantages & Disadvantages of PHP, Web server, IIS	Web Enabled Commercial Application Development	Lecture Method	05-2022 to 05-2022
11-04-2022 to 12-04-2022	(ii) B.Com Shift-2 Batch-2	MS Excel: Insert, Delete Row/columns, Formulas, Chart	Certificate Course	Demo Method	05-2022 to 05-2022
11-04-2022 to 12-04-2022	(ii) B.Com Shift-2 Batch-2	MS Excel: Insert, Delete Row/columns, Formulas, Chart	Certificate Course	Demo Method	05-2022 to 05-2022

WORK DONE

Academic Year : 2021 - 2022

Semester : V

Class : (i) BCA, (ii) Year - UG

Class Code :

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
15.04.2022 to 18.04.2022	(i) BCA	Apache web server, Installing PHP/Apache on windows, Testing PHP/ISS setup, PHP/Apache setup	Web Enabled Commercial Application Development	Lecture Method
18.04.2022 to 20.04.2022	(ii) B.Com Shift-2 Batch-I	MS PPT: Creating Slides, Views, Animation Effects	Certificate course	Demo Method
18.04.2022 to 19.04.2022	(ii) B.Com Shift-I Batch-I	MS PPT: Creating Slides, Views, Animation Effects	Certificate course	Demo method
20.04.2022 to 23.04.2022	(ii) B.Com Shift-2 Batch-I	Basics of computer, MS-office, MS-word Certificate creation, Mail Merge, MS-Excel: Formulas, chart	Certificate course	Lecture & Demo Method
20.04.2022 to 23.04.2022	(ii) B.Com Shift-2 Batch-II	Basics of computer, MS-office, MS-word, Certificate creation, Mail Merge MS-Excel: Formulas, chart	Certificate course	Demo & Lecture Method
25.04.2022 to 30.04.2022	(iii) BCA	PHP Syntax, PHP Echo/print, PHP Data types, PHP variables, PHP Functions	Web Enabled Commercial Application Development	Black Board Method
25.04.2022 to 28.04.2022	(ii) B.Com Shift-2 Batch-I	MS-Excel: Inserting, Deleting Rows/Columns, MS-PPT: Creating Slides, Animation Effects	Certificate course	Demo Method
25.04.2022 to 28.04.2022	(ii) B.Com Shift-1 Batch-II	MS-Excel: Inserting, Deleting Rows/Columns, MS-PPT: Creating Slides, Animation Effects	Certificate course	Demo Method
29.04.2022 to 30.04.2022	(ii) B.Com (BLS) Batch-2	Basics of computer, MS-office, MS-word: Certificate creation, Mail Merge	Certificate course	Lecture & Demo Method
29.04.2022 to 30.04.2022	(iii) B.A. History	Basics of computer, MS-office, MS-word: Certificate creation, Mail Merge	Certificate course	Lecture & Demo Method
03.05.2022 to 07.05.2022	(ii) BCA	PHP Arrays, Strings, Date & time, Maths Functions, Miscellaneous functions PHP Super global	W3 Schools/Im Teach Yourself	Black Board Method
02.05.2022 to 07.05.2022	(iii) B.A. History	MS Excel: Insert, delete Row/Columns, Formulas, Inserting chart	Certificate course	Demo Method
02.05.2022 to 07.05.2022	(iii) B.Com (BLS) Batch-I	MS Excel: Insert, delete Row/Columns, Formulas, charts MS PPT: Creating slides, Animation Effects	Certificate course	Demo Method
09.05.2022 to 12.05.2022	(iii) BCA	Basic Form Processing (GET & POST) Form Handling, Form Validation, Required URL, Email, Form Complete	PHP & MySQL in easy steps	Black Board Method
07.05.2022 to 12.05.2022	(ii) B.Com (BLS) Batch-I	Basics of computer, MS-office, MS-word: Certificate creation, Mail Merge, MS-Excel: Inserting, deleting Rows	Certificate course	Demo Method

Auxilium College (Autonomous)

(Accredited by NAAC with A+ Grade with a CGPA of 3.55 out of 4 in the 3rd Cycle)

Gandhi Nagar, Vellore - 632 006.

Phone No. : 0416 - 2241774



Academic Year : 2021 - 2022

FACULTY RECORD

Name : C. SINDHUJA

Department : BCA (SHIFT-I)

LESSON PLAN

Academic Year : 2021-2022
 Class : III B.C.A.
 Subject : .Net Programming
 Hours / Week : 5
 Credits : 5

Semester : VI
 Class Code : 09
 Subject Code : UCCAVI9
 Total Hours : 75+45
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Feb IV	5	1	Introduction to ASP.Net; .Net framework (CLR, CLI, BCL) ASP.Net Basics - ASP.Net, Page Structure. Page life cycle.	Lecture Method	ASP.Net 4.0 Programming - Joydip Kanjilal	Oral test
Mar I	5	1	HTML Server controls, Web server controls Web User controls.	Lecture Method	ASP.NET Developer's Guide - Greg Buchak.	class test
Mar II	5	1	Validation controls, custom web controls.	Chalk & talk Method	Pure ASP.Net - Robert Ibr Jason LeFebvre	Oral test
Mar III	5	2	Form Validation; client side validation, server side validation, validation controls	Lecture Method	Pure ASP.Net - Robert Ibr Jason LeFebvre	By asking Questions
Mar IV	5	2	Required field, comparison, range, calendar control, Ad rotator control, Internet Explorer control.	Presentation	http://silverplayer.com/slide/14558369.	class test
Mar V	5	2	State Management: View state, control, Hidden fields, cookies, Query string, Application state, session state.	Chalk & talk Method	ASP.Net 4.0 Programming - Joydip Kanjilal	Oral test

			I-CA.		
Apr I					
Apr II	5	3	Architecture of ADO.NET, Connected and disconnected database, create database.	Presentation	http://www.stlplay.com/Article/5124392/ By asking Question
Apr III	5	3	Create connection Using ADO.NET, Object model, connection class, command class.	Presentation	http://www.sitdeserve.com/wdell/ado-architecture-ppt-presentation Oral test
Apr IV	5	3	Data Adapter class, Dataset class, Display data on data bound controls and data grid.	Lecture Method	ASP.NET Developer's Guide - Greg Buczek. class test
Apr V	5	4	Database Accessing on web Application Data Binding concept with web creating data grid.	Lecture Method	ASP.NET Bible - Maulana Pasirah, et al. Oral test
May I	5	4	Binding Standard Web server control - Display data on web form using Data Bound controls.	Presentation	http://www.tutorialspoint.com/asp.net/aspnet_data_binding.htm Assignment
II-CA.					
May II					
May III	5	5	Writing Dataset to XML, Reading datasets with XML.	chalk and talk method	ASP.NET Bible - Maulana Pasirah, et al. Oral test

Academic Year : 2021-2022
 Class : III B.C.A
 Subject : .Net Programming
 Hours / Week : 5
 Credits : 5

Semester : VI
 Class Code : 09
 Subject Code : UCCAVI9
 Total Hours : 75+45
 Total Marks : 100

Proposed	No. of	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Week	Hrs				ASP.NET - A	class test

May III

5. Writing Datasets to XML, Reading datasets with XML.

chalk and talk method

- Moudhula Pasikanti, et al.

Cont. to

LESSON PLAN

Academic Year : 2021-2022
 Class : III B.C.A
 Subject : .Net Programming
 Hours / Week : 5
 Credits : 5

Semester : VI
 Class Code : 09
 Subject Code : UCCAVI9
 Total Hours : 75+45
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
May IV	5	5	Webservices remote method call using XML, SOAP, Web Application deployment	Lecture Method	Pure ASP.NET-A Code-Intensive Premium Reference -Robert Iahr.	Class test
May IV	5	5	Web service description language Building and consuming a web service	Lecture Method	Pure ASP.NET-A Code-Intensive Premium Reference -Robert Iahr.	Class test
June I	5		Revision.			

Signature

LESSON PLAN

Academic Year : 2021-2022
 Class : II B.C.A
 Subject : Data Communications and Networking
 Hours / Week : 5
 Credits : 3

Semester : IV
 Class Code : 07
 Subject Code : UCCAL20
 Total Hours : 75
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Feb IV	5	1	Data communication, Data Networking and the Internet, Data communication and Network for Today & Enterprise, communication Model	Lecture Method	Data and computer communication, 8th edition - William Stallings.	Oral test
Mar I	5	1	Data communication - Network - The Internet Protocol Architecture TCP/IP and Internet - Base Application - The road for Protocol Architecture	Chalk and talk method	Data communication & Networking - Behrouz A. Forouzan.	Written test
Mar II	5	1	TCP/IP Protocol Architecture - The OSI Model Standardization with a protocol architecture Traditional Internet - Data transmission Analog & digital data and Transmission Impairment	Lecture Method	Data and computer communication, 8th edition - William Stallings.	Class Test
Mar III	5	2	Transmission media - Guided Transmission Media, Wireless Transmission - Wireless Propagation, Signal Encoding Techniques.	PPT	http://www.wireless.net.edu/~maga/wwireless/risepwto/transmissionmedia.ppt	By asking Questions
Mar IV	5	2	Digital data, digital signals - digital data Analog signals, Digital data communication techniques asynchronous & synchronous.	PPT	http://www2.nyu.edu/faculty/vladov/c6552_S12/Ch05-Digital Encoding Techniques.ppt	By asking Questions
Mar V	5	2	Types of error, Error detection and error correction.	Lecture Method	Data and computer communication, 8th edition - William Stallings.	Oral test

			I - CA					
Apr I								
Apr II	5	3	Data Link control protocols: flow control, error control. High level data link control. Multiplexing frequency division.	Lecture Method	"Data and computer communication", 8th edition - William Stallings	By asking Question		
Apr III	5	3	Synchronous time division multiplexing. Statistical time division multiplexing. Asymmetric digital subscriber line - ADSL.	Chalk and talk method	Data communication & networking - Behrouz A. Forouzan.	Oral test		
Apr III	5	3	Spread spectrum: The concept of spread spectrum frequency hopping. Direct sequence spread spectrum. Code Division Multiple Access.	Lecture Method	"Data and computer communication", 8th edition - William Stallings	Oral test		
Apr IV	6	4	Circuit switching and packet switching switched communications networks. Circuit switching networks. Circuit switching	Lecture Method	"Data and computer communication", 8th edition - William Stallings	By asking questions		
Apr IV	6	4	Softswitch Architecture. Packet switching principle - frame relay. Asynchronous transfer mode. Protocol Architecture.	Lecture Method	"Data and computer communication" - 8th edition - William Stallings	Class test		
May I	6	4	ATM Logical connections - ATM cells - Transmission of ATM cells. ATM Service categories.	Presentation	http://1106.cs.wpi.edu/~vrek/Undergrad_Note/BO6/ATM.PPT	Class test		
May II			II - CA					

Academic Year : 2021-2022
 Class : II BEA
 Subject : Data communications and Networking
 Hours / Week : 5
 Credits : 3

Semester : II
 Class Code :
 Subject Code : VCCAL20
 Total Hours : 75
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
					Data and computer communication	By asking

LESSON PLAN

Academic Year : 2021-2022
Class : II BCA
Subject : Data Communications and Networking
Hours / Week : 5
Credits : 3

Semester : V
Class Code :
Subject Code : UCCAL20
Total Hours : 75
Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
May III	4	5	Routing in Switched Networks: Routing in packet switching Networks - Examples Routing in ARPANET.	Lecture Method.	Data and computer communication, 8th edition - William Stallings.	Eg asking Question.
May IV	4	5	Least Cost Algorithms - Effects of Congestion - Congestion Control. Traffic Management - Congestion Control in Packet Switching.	Lecture Method.	"Data and computer communication", 8th edition - William Stallings.	Oral test
May V	4	5	Frame Relay Congestion Control - ATM Traffic Management. ATM/FR Traffic Management.	Presentation.	http://anvari.net/ 13-De/chapter-12. PPT.	class test.
Jun I			Revision.			

LESSON PLAN

Academic Year :
 Class : B.C.A
 Subject : Environmental Studies .
 Hours / Week : 2
 Credits : 2 .

Semester : IV .
 Class Code : 09
 Subject Code : UNEVSRD .
 Total Hours : 30 .
 Total Marks : 100 .

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Feb <u>VI</u>	2	I	Definition of Environment . Scope and Importance .	Lecture Method	Environment Studies Question Bank .	By asking Question .
Mar <u>I</u>	2	I.	Components and segments of environment - Multidisciplinary nature of environmental studies .	Lecture Method .	Environment Studies Question Bank .	Oral test .
Mar <u>II</u>	3	II	Ecosystem - Structure and function of ecosystem - food chain and food web . Ecological Pyramids - Types of ecosystem	Lecture Method .	Environment Studies Question Bank .	Oral test .
Mar <u>III</u>	2	II	Lake ecosystem, pond ecosystem, forest ecosystem, grassland ecosystem, Desert ecosystem and ocean . Energy flow in ecosystem and ecological	PPT	http://studymafia.org/ecosystem-ppt-powerpoint-presentation/	Written test .
Mar <u>IV</u>	2	II	Energy flow in ecosystem and ecological succession .	PPT	http://studymafia.org/ecosystem-ppt-powerpoint-presentation	Written test .
Apr <u>I</u>			I - CA .			

Apr II	3	3	Biodiversity: General terms related to biodiversity. Types. India as a mega biodiversity zone.	Lecture method	Environment Studies Question Bank.	Oral test
Apr III	3	3	Threats to Biodiversity - Conservation of Biodiversity - values of biodiversity	Lecture method	Environment Studies Question Bank.	Class test
Apr III	3	4	Environmental pollution: Air pollution, Water, Soil and Noise pollution - causes effects and control Measure.	PPT	http://www.leadpicks.in/ppt/air-pollution-ppt.html	By asking Questions
Apr IV May I	3	4	Rainwater harvesting - Watershed management - Solid waste management	Lecture Method	Environment Studies Question Bank.	Class test
May II			I - CA			
May III	3	5	Human population and environment. Environmental Protection Act 1986 - Environmental protection agencies - Air, water, wildlife protection act, forest.	PPT	http://www.umsl.edu/~winaumann/population.ppt	Oral test
May IV	3	5	General environmental issues - Global warming Climate changes - Ozone layer depletion - Acid rain. Role of information Technology in environmental conservation	Lecture Method	Environment Studies Question Bank.	Oral test
Jun I	3		Revision.			

Academic Year :
 Class :
 Subject :
 Hours / Week :
 Credits :

Semester :
 Class Code :
 Subject Code :
 Total Hours :
 Total Marks :

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
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WORK DONE

Academic Year : 2021-2022

Semester : IV, VI

Class : III BCA, II BCA, EVS

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
23.2.2022 to 26.2.2022	II BCA	Data communication, Data Networking and the Internet - Communication model, Protocol Architecture.	Data and computer communication	Lecture method.
		TCP/IP Protocol Architecture - The OSI model.	-William Stallings	
	III BCA	Introduction to ASP.NET - Basics - .NET Frameworks (CLR, BCL, CIL)	ASP.NET 4.0 Programming Joseph Kojima	Lecture method.
	EVS II BCA	Definition of environment, Scope and Importance.	Environment Studies Question Bank	Lecture method.
28.2.2022 to	II BCA	Data communication - Networks - The Internet - Standardization within	Data & Communication Networking	Chalk &
5.3.2022		Protocol Architecture.	-Behaviour A. Forouzan	talk method.
	III BCA	ASP.NET Page Structure - Page Life Cycle, HTML Web Server control, Custom control, Web user control.	ASP.NET Developer's Guide Gyorgy Kurczok	Lecture method.
	EVS II BCA	Components and segments of environment multidisciplinary nature of environment.	Environment Studies Question Bank	Lecture method.
7.3.2022 to	II BCA	Data Transmission concept and terminology. Analog and digital data Transmission. Transmission Impairment.	Data & Computer Communication William Stallings	Lecture Method.
11.3.2022	III BCA	Validation control, Custom Web controls.	How ASP.NET Robert Ibar	Chalk & talk method.
	II BCA EVS	Ecosystem - Structure and function of ecosystem, food chain.	Environment Studies Question Bank	Lecture method.
14.3.2022 to	II BCA	Transmission media - Guided transmission media.	http://www.res.uci.edu/magda/	PPT.
17.3.2022		Wireless transmission media.	Courses/NetSys20/Transmission	
	III BCA	Form Validation: client side validation, server side validation controls.	How ASP.NET Robert Ibar	Lecture method.
	EVS II BCA	Food chain, food web, ecological pyramid.	Environment Studies Question Bank	Lecture method.

WORK DONE

Academic Year : 2021-2022 .

Class : I BCA, II BCA, EVS .

Semester : VI, VII .

Class Code : 09 .

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
8.4.2022 to	I BCA .	Data link control: Flow control error control .	Data commun- ication and computer network	Chalk and talk method
9.4.2022	II BCA .	Architecture of ADO.NET, connected and disconnected database .	ASP.NET H.O Programming Eng .	Lecture method .
11.4.2022 to	II BCA .	High level data link control . Multiplexing - frequency division	Data & computer communication	Lecture method .
13.4.2022	III BCA .	Create database, Create connection using ADO.NET object model: The dataset class .	ASP.NET Developer's Guide .	Chalk and talk method .
	II BCA EVS .	Biodiversity general terms related to biodiversity .	Environment Studies Quest ion Bank .	Lecture Method .
18.4.2022 to	II BCA	Synchronous - time division multiplexing Statistical time division multiplexing	Data & computer communication	Lecture Method .
23.4.2022	III BCA .	The connection class, command class, Data Adapter class .	ASP.NET Bible - Modules	Chalk and talk method
	II BCA EVS .	Types - India as a mega diversity zone, threats to biodiversity .	Environmental Studies Question bank	Lecture Method .
25.4.2022 to	II BCA .	Asymmetric digital subscriber line XDSL - spread spectrum .	Data & Computer Communication	Lecture method .
25.4.2022	III BCA .	Display data on data bound controls and data grid .	ASP.NET H.O Programming	Lecture method .
27.4.2022		Semester practical .		
28.4.2022 to	II BCA	The concept of spread spectrum frequency - hopping .	Data & Computer communication	Chalk and talk method
30.4.2022	II BCA .	Data Accessing on web Application Data binding concept .	ASP.NET Bible - Modules Part 1	Lecture method .
	II BCA EVS	Environment Pollution: Air pollution .	Environment Studies Question Bank	Lecture method .

WORK DONE

Academic Year : 2021-2022 .

Semester : IV , VI

Class : III BCA, II BCA, EWS

Class Code : 09 .

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
2.5.2022 to 7.5.2022.	II BCA	Direct Sequence spread spectrum code division multiple Access. Spread spectrum frequency- hopping .	Data & Computer Communication - William Stallings	Chalk & talk method .
	III BCA	Data Accessing on web Application Data binding concept - web .	- ASP.NET Bible	Lecture Method .
	EVS II BCA	Threads to Biodiversity - Conservation of Biodiversities .	Environment Studies Question Bank	Lecture Method .
9.5.2022 to 14.5.2022	II BCA	Circuit switching and packet switching Switched communication Networks Circuit switching Network .	Data & Computer Communication - William Stallings	Chalk and talk method
	III BCA	Creating Data grid, Binding standard web server control .	Pure ASP.NET A Code Intensive Premium Reference Robert Ibra	Lecture Method .
	EVS II BCA	Environment pollution ; Air, water, Soil and Noise .	Environment Studies Question Bank	Lecture Method .
16.5.2022 to 21.5.2022	II BCA	Circuit Switch - Softswitch Architecture - Packet switch principle frame relay - Asynchronous transfer mode . Protocol Architecture - ATM logical connections - ATM cells .	http://www2.riiivier.edu/faculty/ Vriabov/ CS553-ST-7 Chlo - Circuit. ppt	PPT .
	III BCA	Binding standard Web Server control - Display data on web form using Data Bound .	ASP.NET . Bible . "Miridula Pashar, et al .	Chalk and talk method .

Sept II		3	ICA			
Oct II	5	3	Database design and the E-R model, constraints, Removing Redundant attributes	e-Book Presentation	Fundamentals of database systems - Elmasri & Navathe	Oral test
III	5	3	E-R Diagrams, Reduction to Relational schemas, ER design, Issues extended ER features	PPT	Data base system concepts - Abraham Silberschatz	Google class room assessment
IV	5	3 & 4	Functional Dependencies, Features of Relational designs, Normalization	White board	https://www.geeksforgeeks.org/types-of-functional-	By asking questions
Nov I	5	4	Storage and File structure - Overview of physical storage media	PPT	Data base system concepts - Abraham silberschatz	Classroom assessment
II	5	4	Magnetic Disks, RAID tertiary storage file, data dictionary B+ tree	Lecture method	online Reference	Oral test
III			II CA			
Dec I	5	5	Distributed Databases Homogeneous and Heterogeneous Data bases	chalk and talk method	Data base systems Concepts - Abraham silberschatz	class test
II	5	5	Distributed Data Storage, transaction concurrency control	PPT	https://www.geeksforgeeks.org/	Seminar

LESSON PLAN

Academic Year : 2021-2022
 Class : III B.C.A
 Subject : Relational Database Management Systems
 Hours / Week : 5+3
 Credits : 5

Semester : V
 Class Code : 09
 Subject Code : UCCA@19
 Total Hours : 75+15
 Total Marks : 100

Topics to be

Teaching

Learning Resources

Methods of Evaluation

LESSON PLAN

Academic Year : 2021-2022
 Class : III B.C.A
 Subject : Relational Database Management Systems
 Hours / Week : 5+3
 Credits : 5

Semester : V
 Class Code : 09
 Subject Code : UCCAC19
 Total Hours : 75+15
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Dec III	5	5	concurrency control, object based databases, data types and inheritance in SQL	Lecture method	Data base system concepts - Abraham Silberscatry	Assignment
Jan IV	5	5	Reference types in SQL, XML document schema, querying and transformation	PPT	Data base system concepts - Abraham Silberscatry	class test

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LESSON PLAN

Academic Year : 2021-2022
 Class : III B.C.A.
 Subject : Computer Graphics
 Hours / Week : 5
 Credits : 5

Semester : V
 Class Code : 09
 Subject Code : UELAC19
 Total Hours : 75
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Aug II	5	1	Overview of graphics systems, Video display devices	PPT	Computer Graphics - Hearn & Baker	By asking questions
III	5	1	Refresh cathode-ray tubes, Raster scan displays, Random scan displays	Google Meet Whiteboard	https://www.britannica.com/technology/cathode-ray-tube	oral test
IV	5	1	Color CRT Monitors, Direct view storage tubes, Flat panel Displays, virtual reality system	PPT	Computer Graphics - Donald Hearn, Pauline Baker	Google classroom assignment
Sep I	5	1 & 2	Raster scan systems, Random scan systems, Input devices	Presentation	https://tru-numerators.com/touch-screen	Assignment
II	5	2	Voice system, Hard copy devices, Line drawing algorithms, DDA algorithms	white board	Computer Graphics - Donald Hearn Pauline Baker	By asking questions
III	5	2	Circle Generating algorithms, Properties of ellipses.	e-book presentation	Donald Hearn Pauline Baker	class test

Sep IV

I CA

Oct I	5	3	2D Geometric Transformation Basic Transformations	https://www.tutorialspoint.com/2D-transformation	PPT	Classroom Assessment
II	5	3	Matrix Representations and Homogeneous coordinates, other transformations	e. book presentation	Computer Graphics - Donald Hearn Pauline Baker	Oral test
III	5	3 & 4	Reflections, two dimensional Viewing, three dimensional concepts	PPT	Computer Graphics - Donald Hearn Pauline Baker	By asking questions
IV	5	4	Parallel Projection, Perspective projection	chalk & talk method	Computer Graphics - Donald Hearn Pauline Baker	Assignment
Nov I	5	4	Depth cueing visible line and surface - 3D modeling	PPT	Computer Graphics - Donald Hearn Pauline Baker	Classroom Assignment
II	5	4	3D transformations translation, Rotation, scaling	Demonstration video	https://www.slide-share.net/shivanisoni/	By asking questions
III			II CA			

Academic Year : 2021-2022
 Class : III B.C.A.
 Subject : Computer Graphics
 Hours / Week : 5
 Credits : 5

Semester : V
 Class Code : 09
 Subject Code : UEGAC19
 Total Hours : 75
 Total Marks : 100

Methods of

LESSON PLAN

Academic Year : 2021 - 2022
 Class : III B.C.A.
 Subject : Computer Graphics
 Hours / Week : 5
 Credits : 5

Semester : V
 Class Code : 09
 Subject Code : UEGAL19
 Total Hours : 75
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
I	5	5	Window to viewport coordinate transformation, clipping coordinate	e-book presentation	Computer Graphics - Donald Hearn Pauline Baker	classroom assessment
II	5	5	Point, text, exterior, curve clipping, visible surface algorithm	Lecture method	https://en.wikipedia.org/wiki/Clipping	By asking questions
III	5	5	Depth Buffer method, scan line method	e-book presentation	Computer Graphics - Donald Hearn Pauline Baker	class test

2/11/2021

LESSON PLAN

Academic Year : 2021 - 2022
 Class : II B.C.A.
 Subject : OPERATING SYSTEMS
 Hours / Week : 4 + 3
 Credits : 4

Semester : VI
 Class Code : 09
 Subject Code : UCCA-M20
 Total Hours : 105 (60+45)
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Feb IV	5	1	Introduction, Brief History, Unix components / Architecture	Lecture method	Unix and shell Programming Behrouz A Forouzi	Oral test
Mar I	5	1	Features of UNIX. Basic Commands Pwd, ls, mv, cp, rm, mkdir, rmdir	Demonstration	The 'c' Odyssey UNIX - Meeta, Tilak & amp	By asking questions
Mar II	5	1	Chmod, Full and Relative Pathnames File and Directory - Naming conventions Wildcard characters	Demonstration	http://nally.stanford.edu	Class test
Mar III	5	2	Shell Programming Language, shell variables and arguments, command line arguments.	Chalk & Talk	Unix and shell Programming Behrouz A Forouzi	Assignment
IV	5	2	Looping and conditional execution While, until, case, break & continue, True & false Commands	Demonstration	Unix & shell programming Behrouz A Forouzi	By asking questions
Apr I			I E A			

Apr II	5	3	System Calls, Process management, inter process communication, Multithreading, Programming, Process scheduling.	Presentation	operating system concepts - Silberchatz	oral test
III	5	3	Deadlock, Deadlock Avoidance, Memory Management, Swapping	Lecture method	https://www.hiteshtachtarget.com	class test
IV	5	4	Contiguous Memory Allocation, Paging, Segmentation, virtual	Chalk & Talk method	Operating system concepts - Silberchatz	By asking questions
May I	5	4	Demand Paging, Page Replacement, Thrashing	Presentation	operating system concepts - Silberchatz	Oral test
May II			II CA			
III	5	5	File System, Access methods, Directory Structure, Implementing File Systems	chalk & talk method	Operating system concepts - Silberchatz	By asking questions
IV	5	5	Allocation Methods, Free Space management	Lecture method	https://www.cs.vuh.edu	class test
June I	5	5	Secondary storage structure, Disk structure, Disk scheduling	Presentation	Operating system concepts - Silberchatz	Oral test
			Revision			

Academic Year : 2021-2022
 Class : III B.C.A.
 Subject : DATA MINING

Semester : VI
 Class Code : 09
 Subject Code : UECAF19
 Total Hours : 75
 Total Marks : 100

Revision

LESSON PLAN

Academic Year : 2021-2022
 Class : III B.C.A.
 Subject : DATA MINING
 Hours / Week : 5
 Credits : 5

Semester : VI
 Class Code : 09
 Subject Code : UECA-F19
 Total Hours : 75
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Feb IV	5	1	Basic Data Mining Tasks - Data Mining Vs Knowledge Discovery - Data Mining Issues	Lecture Method	Margaret H. Dunham - Data Mining	By asking questions
Mar I	5	1	Data Mining Metrics, Data Mining from a database perspective. Data Mining techniques.	Lecture Method	https://himadri.comsolu.org	Class test
Mar II	5	1 & 2	Statistical Perspective on Data Mining Similarity measures, NN, Genetic Algorithm classification - Statistical based Algorithms	Presentation	Data Mining - Margaret H. Dunham	oral test
Mar III	5	2	Clustering - Similarity & Distance measures - outliers - Hierarchical Algorithms Partitional Algorithms - Association Rules.	Chalk & talk Method	Data Mining - Margaret H. Dunham	Class test
Mar IV	5	2	Large Item sets - Parallel & distribution Algorithms Rule based Algorithms Combining Techniques	Lecture Method	https://uxao.technopedia.com	Assignment
Apr I			I CA			

Apr II	5	3	Clustering: Introduction - Similarity and distance Measures - Outliers - Hierarchical Algorithms	chalk & talk method	Data Mining - Margaret Dunham	By asking questions
III	5	3	Association Rules: Parallel and Distributed Algorithms - comparing Approaches - incremental rules	Lecture Method	Data Mining - Margaret Dunham	class test
IV	5	4	Web mining - web content mining - crawlers - web structure mining - web usage mining	Presentation	http://en.m.wikipedia.org/wiki	oral test
May I	5	4	Primitives - spatial mining - spatial classification Algorithms	chalk & talk method	Data Mining - Margaret Dunham	class test
II			II CA			
III	5	5	Temporal Mining: Introduction - Generalization & Specialization	Lecture method	Data Mining - Margaret Dunham	class test
IV	5	5	Time series - pattern detection	chalk & talk method	https://www.influxdata.com	oral test
June I	5	5	sequences - Temporal Association Rule	Presentation	Data Mining - Margaret Dunham	By asking questions
Revision						

Academic Year : 2021 - 2022
 Class : III NME
 Subject : Web Designing using Dreamweaver
 Hours / Week : 3

Semester : VI
 Class Code :
 Subject Code : UOIC8B619
 Total Hours : 45
 Total Marks : 1

Learning Methods of

LESSON PLAN

Academic Year : 2021 - 2022

Class : III NME

Subject : Web Designing Using Dreamweaver

Hours / Week : 3

Credits : 2

Semester : VI

Class Code :

Subject Code : UGICSB619

Total Hours : 45

Total Marks : 1

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Feb IV	3	1	Opening the Document Window Locating the title bar - Menubar components - Toolbar - Status bar	Dreamweaver Rapid web design - Candue Garrod.	Dreamweaver Rapid web design - Candue Garrod.	oral test
Mar I	3	1	Object Panel, Launchers, Property Inspector, Creating New site - Designing a local site	PPT.	https://www.creativeblog.com	Oral test
II	3	1	Setting up the window - Accessing the site. Create and design a webpage for clipart gallery	Demonstration	Dreamweaver Rapid web design - Candue Garrod.	By asking Questions
III	3	2	Working with HTML tags - code inspector, Quick tag editor, creating web pages, text & Property inspector	Demonstration	Tech-recepies. com/yx/2007. Dreamweaver 8	Assignment.
IV	3	2	Working with Background colors Design an E-book with appropriate Navigation	Demonstration	Dreamweaver Rapid web design - Candue Garrod	By asking Questions
Apr I			ICA			

Apr II	3	3	Leaving links, working with Anchors.	Chalk & talk method	Dreamweaver Rapid web design - Cardue Gassed	Practical test	
III	3	3	Working with image links - creating a email links - create a webpage	Lecture Method	Dreamweaver Rapid web design - Cardue Gassed	Assignment	
IV	3	4	Definition of Tables - Preformatted Tables - Editing a Tables - frames, Frameset	Lecture Method	https://helpx.adobe.com/using	Practical test	
May I	3	4	Adding Multimedia to a website, creating and Editing frames	Demonstration	Dreamweaver Rapid web design - Cardue Gassed	Class Test	
II			II CA				
III	3	5	CSS - Applying style sheet to a webpage	Demonstration	Dreamweaver Rapid web design - Cardue Gassed	Oral test	
IV	3	5	CGI - form - Adding form in the project, create a webpage using	Lecture Method	https://www.3otform.com/help/26address	Oral test	
June I	3	5	Roll over images and CSS Creating layers - Customizing Dreamweaver	Demonstration	https://community.adobe.com	Practical Test	
II			Revision				

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WORK DONE

Academic Year : 2021-2022

Semester : V

Class : B.C.A.

Class Code : 09.

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
9-8-21	111 B.C.A	File system Vs DBMS.	Data base system	PPT
to 13-8-21		Database System Applications	Concepts - Abraham Siltorsaty	
16-8-21	111 B.C.A	View of data, database	data base system	e-book Presentations
to 20-8-21		language, data storage and	Concepts - Abraham Siltorsaty	
		querying		
23-8-21	111 B.C.A	Database Architecture,	https://www2.cba.sfu.ca	Presentations
to 27-8-21		Database users and administration	node 2.	
		History of database.		
31-8-21		Relational Model, structure	Data base system	
to 4-9-21		of Relational Schemas.	Concepts - Abraham Siltorsaty	PPT
		Relational Query languages		
6-9-21	111 B.C.A	Introduction to SQL,	online	Demonstration
to 9-9-21		'data definitions language	Reference	
		Basic structure, set-		
		operations		

13-9-21	III B.C.A	Introduction to SQL	Fundamentals of database systems - Elmasri	PPT
to 18-9-21		data definition, Basic structure		
		Aggregate functions, Modification in database.	Navathe	
20-9-21	III B.C.A	Transactions Integrity constraints	Database systems concepts - Abraham & Silberschatz	PPT
to 21-9-21		SQL Triggers		
22-9-21				
to 28-9-21		I CA.		
29-9-21	III B.C.A	Database Design and ER models constraints	Fundamentals of database systems - Elmasri	e-book presentation
to 1-10-21		removing Redundant attributes	Navathe	
4-10-21	III B.C.A	ER Diagrams, Reduction to Relational Schemas	Database systems concepts - Abraham & Silberschatz	PPT
to 8-10-21				
11-10-21	III B.C.A	ER design Issues,	Database system concepts - Abraham & Silberschatz	PPT
to 16-10-21		Extended ER features		
20-10-21	III B.C.A	Functional Dependencies	Fundamentals of database systems	PPT
to 23-10-21		Normalization		
25-10-21	III B.C.A	1NF, 2NF, 3NF & BCNF.	www.geeksforgeeks.org/types of	articles
to 30-10-21				

Academic Year : 2021-
Class : B.C.A

Date	Class	
11-21	III	Store
to		
2-11-21	B.C.A	Over
		man
11-21	III	Mag
to	B.C.A	ter
1-11-21		
		Da
11-21	III	Dis
to	B.C.A	Ho
5-11-21		He
2-11-21	III	Di
to	B.C.A	to
6-11-21		
9-11-21	III	
to	B.C.A	
12-21		

WORK DONE

Academic Year : 2021-2022

Semester : V

Class : B.C.A

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
1-11-21 to	III	Storage and file structure	PPT	PPT
6-11-21	B.C.A	Overview of physical storage media	data base systems - Abraham Silberstein	
8-11-21 to 11-11-21	III B.C.A	Magnetic Disks, RAID tertiary storage file, data dictionary	Database system concepts	Lecture Method
15-11-21 to 20-11-21	III B.C.A	Distributed Databases, Homogeneous and Heterogeneous databases	data base system concepts Abraham Silberstein	chalk & talk method
22-11-21 to 26-11-21	IV B.C.A	Distributed data storage transaction, concurrency control.	Data base system concepts - Abraham Silberstein	Lecture Method
29-11-21 to 3-12-21	III B.C.A	object based data bases data types in SQL	Data base system concepts	Lecture Method

WORK DONE

Academic Year : 2021 - 2022.

Class : B.C.A

Semester : V

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
9-8-21 to 12-8-21	^{III} B.C.A	Overview of Graphics system, Video display device	Computer Graphics - Donald Heur - Baker	PPT
16-8-21 to 20-8-21	^{III} B.C.A	Refresh cathode-ray tubes Raster scan displays, Random scan displays	Computer Graphics - Donald Heur - Pauline Baker	Whiteboard
23-8-21 to 27-8-21	^{III} B.C.A	color CRT monitors, Direct view storage tubes, Flat panel displays.	Computer Graphics - Heur, Baker	PPT
31-8-21 to 4-9-21	^{III} B.C.A	Stereoscopic and Virtual Reality systems, Raster scan & Random scan systems	http://tru.com - Vumonitor - com touch-screen	Presentation
6-9-21 to 9-9-21	^{III} B.C.A	Input devices, Digitizers Touch screen, Image Scanners Joy stick, light pens, Hard copy devices	Computer Graphics - Heur Baker.	whiteboard

13-9-21	III B.C.A.	Output attributes, line	Computer Graphics	white
to				
18-9-21		Drawing algorithms, DDA, Bresenham's	-Hearn Baker	
20-9-21	III B.C.A.	Circle generating algorithms	https://youtu.be/abxFLAxx99A1	Present
21-9-21		Properties of ellipses		
22-9-21				
to				
28-9-21		I CA		
29-9-21	III B.C.A.	Basic 2D Geometric Transformation	https://www.point.com/2dtransformations	Present
to				
1-10-21				
4-10-21	III B.C.A.	Composite 2D Geometric transformation	Computer Graphics -Hearn Baker	e-book present
to				
8-10-21				
11-10-21	III B.C.A.	Matrix Representation Homogeneous coordinates	Computer Graphics -Hearn Baker	ppt
to				
16-10-21				
20-10-21	III B.C.A.	Other transformations, Reflection, Shear 2D Viewing	Computer Graphics -Hearn Baker	ppt
to				
23-10-21				
25-10-21	III B.C.A.	Three Dimensional transformation other 3D transformation	Computer Graphics -Hearn Baker	e-book present
to				
30-10-21				

Academic Year :	
class	
Date	Class
11-21	III B.C.
to	
11-21	
11-21	III
to	B.C.
11-21	
11-21	III
to	B.C.
11-21	III
to	B.C.
12-21	
12-21	III
to	B.C.
12-21	
12-21	III
to	B.C.
12-21	

WORK DONE

Academic Year : 2021 - 2022
 Class : B.C.A.

Semester : V
 Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
1-11-21 to 6-11-21	III B.C.A	translation, rotation, Scaling in 3D	https:// www. slideshare net/slides seri/.	Demonstration video.
8-11-21 to 11-11-21	III B.C.A	Parallel projection, Perspective Projection.	Computer Graphics - Donald Hearn	chalk & talk method
15-11-21 to 20-11-21	III B.C.A	Window to view port coordinate transformation	Computer Graphics - Donald Hearn pauline	lecture method
22-11-21 to 26-11-21	III B.C.A	Cohen-sutherland line clipping algorithm	https:// en.wikipedia org/ wiki/clipping	lecture method
29-11-21 to 3-12-21	III B.C.A	Point, text, curve clipping exterior clipping	Donald Hearn- computer	chalk & talk method
6-12-21 to 10-12-21	III B.C.A	Visible surface deduction algorithm	Graphics	chalk & talk method
13-12-21 to 18-12-21	III B.C.A	II CA.		

WORK DONE

Academic Year : 2021 - 2022

Semester : IV, VI

Class : II B.C.A, III B.C.A, NME

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
23-2-22	III B.C.A	Introduction to Data Mining, Basic Data Mining Tasks,	Data Mining	Lecture
to		Data Mining Vs Knowledge Discovery	Margaret Dunham	Method
26-2-22	III B.C.A	Introduction to UNIX, Brief History of Unix components / Architecture	UNIX & Shell Programming	Lecture Method
	NME	Opening the document window Locating the bar, Menu bar	Carolee Good Rapid web design Dreamweaver	Demonstration
28-2-22	III B.C.A	Data Mining Issues, Data Mining	https://kimadri.comde.org/	chalk & talk method
to		Matrices, Data Mining from a data base perspective		
5-3-22	II B.C.A	Features of UNIX, Basic commands pwd, ls, mv, cp, rm, mkdir, rmdir	The 'C' odyssey UNIX - Meta, Tilt & Gamp	Demonstration
	NME	Menu bar components, tool bar, status bar.	Carolee Good Dreamweaver Rapid web design	Demonstration
7-3-22	III B.C.A	Data Mining techniques, Statistical Perspective on Data Mining	Data Mining Margaret Dunham	Presentation
to				
11-3-22	II B.C.A	chmod, full & Relative pathnames File and Directory	http://mally.stanford.edu	Demonstration
	NME	create and Design a webpage for clipart Gallery	Dreamweaver Rapid web design	Demonstration

14-3-22	III	Similarity Measures, Neural	Data Mining	Lecture	
to	B.C.A.		-Margaret		
19-3-22		Network, Genetic Algorithms	Dunham	Method	
	II	Naming, Conventions, wildcard	UNIX & Shell programming	Practical	
	B.C.A.	characters	-Behrang A. Farougi		
	NME	Creating New site, creating local site, Setting up the window	https://www.creativeblog.com	PPT	
21-3-22	III	Classification, Statistical based	Data Mining	Lecture	
to	B.C.A.	Algorithms, Clustering, Similarity	-Margaret Dunham	Method	
26-3-22		Measures, Decision Tree Algorithms			
	II	Shell programming, Languages,	UNIX & Shell Programming	Practical	
	B.C.A.	Shell variables, command line Arguments	-Behrang A. Farougi		
	NME	Setting up windows, Accessing the site, Working with HTML tags	Dreamweaver Rapid web design	demo	
			-Carolee Garrod		
28-3-22	III	Rule based Algorithms, NN,	Data Mining	Chalk	
to	B.C.A.		-Margaret Dunham	talk	
30-3-22		Combining techniques		Method	
	II	Looping Conditional Execution,	UNIX & Shell Programming	Practical	
	B.C.A.	while, until, case, break & continue, true & false commands	-Behrang A. Farougi		
	NME	Working with Background colors, Creating a Ebook using Dreamweaver.	Dreamweaver Rapid web design	demo	

Academic Year
class

Date Class

1-3-22 III
B.C.

4-22 II
B.C.

7/11/22 N.H

4-22 III

to
4-22 B.C.

III

B.C.

N.H

4-22 III
to
B.C.

4-22

II

B.C.

N.H

WORK DONE

Academic Year : 2021-2022

Class : III BCA, II BCA, NME

Semester : IV, VI

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
31-3-22	III B.C.A			
to 7-4-22	II B.C.A	I CA.		
8-4-22	N.M.E			
8-4-22 to 09-4-22	II B.C.A	System calls, Types of system calls, Process Management, Interprocess communication	Operating system concepts - silberschatz	presentation
	III B.C.A	clustering: Introduction - Similarity and Distance Measures	Data Mining - Margaret Dunham	Chalk & talk method
	N.M.E	Loosing Links, Working with Anchors.	Dreamweaver Rapidweb Design - Carolee Harris	demonstration
11-4-22 to 13-4-22	III B.C.A	Outliers, Hierarchical algorithms Agglomerative algorithms	Data Mining - Margaret Dunham	chalk & talk method
	II B.C.A	Multi threaded Programming, Process scheduling Algorithms	operating system concepts - silberschatz	Lecture method
	N.M.E	Creating webpage using forms		demonstration

Date	Class	Topic	Resources	Method	Academic Year	Class
18-4-22 to 20-4-22	III B.C.A.	Association Rules: Parallel and Distributed Algorithms	Data Mining - Margaret Dunham	Lecture Method		
	II B.C.A.	CPU scheduling Algorithms FCFS, SJF, SRTF, RR.	https:// whatisthe target.com	PPT		
		NME Working with Image links - Creating a email links	Dreamweaver Rapid web design - Candace Garrod	Personal	4-22 to 4-22	III B.C.A II B.C.A
21-4-22 to 23-4-22	III B.C.A	Comparing Approaches, Incremental Rules, Web Mining	Data Mining - Margaret Dunham	Lecture Method		
	II B.C.A.	Deadlock, Dead lock Avoidance, Banker's Algorithm	Operating System Concepts - Silberschatz	Personal	5-22 to 5-22	III B.C.A
		NME Creating a Webpage for college using Tables	Dreamweaver Rapid web design - Candace Garrod	Personal		II B.C.A
25-4-22 to	III B.C.A.	Web content Mining, Crawlers, Web usage Mining	Data Mining - Margaret Dunham	Lecture Method		NME
27-4-22	II B.C.A	Memory Management, Swapping continuous Memory Allocation	Operating System Concepts - Silberschatz	Personal	5-22 to 5-22	III B.C.A II B.C.A
30/4/22		NME Definition of tables, preformatted tables	Dreamweaver - Candace Garrod	Personal	5/5/22	NME

WORK DONE

Academic Year : 2021 - 2022

Semester : IV, VI

Class

: III B.C.A, II B.C.A, NME

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
27-4-22 to 30-4-22	III B.C.A.	Web structure Mining, Spatial Mining structures	Data Mining - Margaret Dunham.	Lecture method
	II B.C.A	Paging, Demand paging segmentation	operating System concepts - Silberstein	PPT
	NME	Editing tables, Frames, Frameset	https://helpx.adobe.com/using/	Demonstration
2-5-22 to 7-5-22	III B.C.A	Spatial Mining Primitives, Rules, classification Algorithms	Data Mining - Margaret Dunham.	chalk & talk method
	II B.C.A	Scheduling Criteria, Swapping, Process creation.	Operating system concept - Silberstein	Presentation
	NME	Frame set, Adding Multimedia to a website.	Dreamweaver Rapid Webdesign - Candice Garrod	Demonstration
9-5-22 to 13-5-22	III B.C.A	Incremental Rules, Priori Algorithm	Data Mining - Dunham.	Lecture Method
	II B.C.A	Virtual Memory management Page Replacement.	operating System concepts - Silberstein	Presentation
	NME	Layers, shockwave, flash	Dreamweaver - Candice Garrod	Demonstration

16-5-22	III B.C.A	Spatial mining, Spatial	Data Mining	chalk	
to			- Margaret	talk	
19-5-22		classification Algorithms	Dunham	method	academic Y
	II B.C.A	virtual memory, Demand	Operating System	PPT	class
		paging, inverted page table,	concepts	presented	Date
		TLB	- Silberschatz		.6.22
					to
					.6.22
23-5-22	III	Spatial clustering	Data Mining	Lecture	.6.22
to	B.C.A		- Margaret		to
26-5-22		Algorithms	Dunham	Method	.6.22
	II B.C.A	Page Replacement Algorithms	operating system	Present	
		FIFO, LRU, optimal,	concepts		
		LRU Approximation, page	- Silberschatz		
		buffering			
26-6-22	III				
to	B.C.A	II CA.			
2-6-22	II B.C.A	Examinations			
3-6-22	III	Temporal Mining - Generalization	Data Mining	Lecture	
to	B.C.A	& Specialization	- Margaret	method	
4-6-22			Dunham		
	II B.C.A	Time Series, Pattern	Operating System	PPT	
		Detection, file system	concepts		
			- Silberschatz		

16-5-22	III B.C.A	Spatial Mining, Spatial	Data Mining	check	
to					
19-5-22		classification algorithms	- Margaret Dunham	talk method	academi class
	II B.C.A	virtual memory, Demand	Operating System	PPT	Date
		paging, inverted page table,	concepts	presentat	
		TLB	- Silberschatz		.6.22
					to
					.6.22
23-5-22	III	Spatial Clustering	Data Mining	Lecture	.6.22
to	B.C.A				to
25-5-22		Algorithms	- Margaret Dunham	Method	.6.22
	II B.C.A	Page Replacement Algorithms	operating system	Process	
		FIFO, LRU, optimal,	concepts		
		LRU Approximation, page	- Silberschatz		
		buffering			
26-5-22	III				
to	B.C.A	II CA.			
2-6-22	II B.C.A.	Examination			
3-6-22	III	Temporal Mining - Generalization	Data Mining	Lecture	
to	B.C.A	& Specialization	- Margaret Dunham	method	
4-6-22					
	II B.C.A	Time Series, Pattern	Operating System	PPT	
		Detection, file system	concepts		
			- Silberschatz		

LESSON PLAN

Academic Year : 2021-2022
 Class : II BCA
 Subject : DESIGN AND ANALYSIS OF ALGORITHM
 Hours / Week : 5
 Credits : 4

Semester : III
 Class Code : 09
 Subject Code : UCCAT20
 Total Hours : 75
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Aug <u>II</u>	5	<u>I</u>	Basic Concepts : Overview - System life cycle.	Black board Google meet	Ellis Horowitz Santaj Sahni Fundamentals of alg.	Assignment Oral test
Aug <u>III</u>	5	<u>I</u>	Pseudocode for expressing algorithms. Algorithm specification performance analysis, performance Measurement	Black board Google meet	Lecturer Notes Fundamentals of computer alg.	Assignment question & answer session
Aug <u>IV</u>	5	<u>I</u>	Space Complexity, Time Complexity Asymptotic Notation, O , Ω , Θ , o Notation	Black board Google meet	Ellis Horowitz Santaj Sahni - Computer algorithms	Oral test Assignment
Sep <u>I</u>	5	<u>II</u>	Divide and Conquer general Method	Black board Google meet	Ellis Horowitz - Santaj Sahni - Computer algorithms	Oral test assignment
Sep <u>II</u>	5	<u>II</u>	Find the maximum and minimum Merge Sort.	PPT, Google meet, Black board	Ellis Horowitz - Santaj Sahni - Computer algorithms.	Oral test class test.
Sep <u>III & IV</u>	5	<u>II</u>	Quick Sort, Selection Sort, Optimal binary search trees.	Black board, Google meet, you tube	Ellis Horowitz - Santaj Sahni - Computer algorithms	question and answer session.

Oct <u>I</u>	5	<u>III</u>	Greedy Method: General Method Knapsack Problem.	Black board, Google meet, you tube	Ellis Horowitz- Santaj Sahni- Fundamentals of Computer alg.	Oral and written test Assignment
Oct <u>II</u>	5	<u>III</u>	Minimum Cost Spanning Trees.	Black board Google meet	Ellis Horowitz- Santaj Sahni- Fundamentals of Computer alg.	Presentation oral and written test
Oct <u>III</u>	5	<u>III</u>	Single Source Shortest path problems Dynamic programming - General Method	Black board Google meet, PPT	Ellis Horowitz- Santaj Sahni- Fundamentals of Computer alg.	Assignment oral and written test
Oct <u>IV</u>	5	<u>III</u>	All pairs Shortest path problem. Travelling Sales Person Problem	Black board Google meet, PPT	Ellis Horowitz- Santaj Sahni- Fundamentals of Computer alg.	Assignment oral and written test
Nov <u>I</u>	5	<u>IV</u>	Backtracking General. method. Algorithm.	Black board Google meet, PPT	Ellis Horowitz- Santaj Sahni- Fundamentals of Computer alg.	Assignment oral and written test
Nov <u>II</u>	5	<u>IV</u>	8 Queens problem - Sum of Subsets	Black board Google meet, you tube	Ellis Horowitz- Santaj Sahni- Fundamentals of Computer alg.	Assignment oral and written test
Nov <u>III & IV</u>	5	<u>IV</u>	Graph coloring - Hamiltonian cycles. Knapsack Problem.	Black board Google meet, PPT	Ellis Horowitz- Santaj Sahni- Fundamentals of Computer alg.	Assignment oral and written test
Dec <u>I & II</u>	5	<u>V</u>	Branch and bound - Least cost search Fifo Search and bound - NP hard and NP complete problems.	Black board, Google meet, PPT	Ellis Horowitz- Santaj Sahni- Fundamentals of Computer alg.	Assignment oral and written test
Dec <u>III</u>	5	<u>V</u>	Basic Concepts - Non-deterministic	Black board Google meet, PPT	Ellis Horowitz- Fundamentals of Computer alg.	Assignment oral and written test

Academic Year : 2021-2022
 Class : II BCA
 Subject : SBE - ACCOUNTING SOFTWARE
 Hours / Week : 2

Semester : III
 Class Code : 09
 Subject Code : USCAA320
 Total Hours : 30
 Total Marks : 100

NP hard and NP complete problems.

Google meet, PPT

Santaj Dabhi - fundamentals of computer alg

Assignment oral and written test

Basic Concepts - Non-deterministic

Black board
Google meet, PPT

Ellis Horowitz - Computer algorithm

Assignment oral and written test

LESSON PLAN

Academic Year : 2021-2022
Class : II BBA
Subject : SBE - ACCOUNTING SOFTWARE
Hours / Week : 2
Credits : 2

Semester : III
Class Code : 09
Subject Code : USCAA320
Total Hours : 30
Total Marks : 50

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Aug <u>II</u>	<u>2</u>	<u>I</u>	Company creation and configuration Creation for new Company, Company features, Accounting and Inventory features.	PC - Demo.	LP computer series - Guide to tally 9.	practicals lab test
Aug <u>III & IV</u>	<u>2</u>	<u>I</u>	Configuring tally - Configuring Voucher entry - Configuring Invoice/Order entry	PC - Demo & Practicals	LP computer series - Guide to tally 9.	lab test viva.
Sep <u>I</u>	<u>2</u>	<u>I</u>	Shut a Company, Alter a Company Delete a Company.	PC Practicals with demo session	LP Computer series - Guide to tally 9	Lab test viva.
Sep <u>II</u>	<u>2</u>	<u>II</u>	Accounting and Inventory on outline: fundamentals of accounting, Accounting Terms definitions.	PC practicals with demo session	LP Computer series - Guide to tally 9	Lab test viva
Sep <u>III & IV</u>	<u>4</u>	<u>II</u>	Ledger and Ledger accounts, Trial Balance, Trading and profit and loss account. P&L account balance Sheet	PC practicals.	LP Computer series - Guide to tally 9	Lab test viva
Oct <u>I</u>	<u>2</u>	<u>II</u>	fundamentals of Inventory, Accounts master creation, Accounts Information	PC practicals.	LP computer series - Guide to tally 9.	lab test viva.

Oct <u>ii</u>	4	<u>ii</u>	Group- Multiple groups, ledgers- Multiple ledgers, Cost Categories, Cost centres.	projector PC- practicals	LP Computer Series - Guide to tally 9	Lab test viva
Oct <u>iii</u>	2	<u>iii</u>	Inventory master creation- Stock groups, Entering Vouchers, Voucher types, Voucher entry.	projector- PC- practicals	LP Computer Series - Guide to tally 9	Lab test viva
Oct <u>iv</u>	2	<u>iii</u>	Different types of accounting Vouchers Reports in Tally.	projector PC- practicals	LP Computer Series - Guide to tally 9	Lab test viva
Nov <u>i</u>	2	<u>iii</u>	Display Balance Sheet, profit and loss account.	projector PC- practicals	LP Computer Series - Guide to tally 9	creation of Own program viva.
Nov <u>ii</u>	2	<u>iii</u>	Display trial balance, Daybook, Reconciliation of bank accounts.	projector PC- practicals	LP Computer Series - Guide to tally 9	Solving problem viva.
Nov <u>iii</u>	2	<u>iv</u>	Trading, profit and loss of a Company Balance Sheet of a Company	projector PC- practicals	LP Computer Series - Guide to tally 9	Lab test viva.
Nov <u>iv</u>	2	<u>iv</u>	Cost Category and Cost centre	projector PC- practicals	LP Computer Series - Guide to tally 9	Creating & Solving problem.
Dec <u>i</u>	2	<u>v</u>	Bank Reconciliation Statement.	projector PC- practicals	LP Computer Series - Guide to tally 9	Lab test viva.
Dec <u>ii</u>	2	<u>v</u>	Inventory and Stock, Display and Reporting.	projector PC- practicals	LP Computer Series - Guide to tally 9	Lab test viva.

Academic Year : 2021-2022

Class : ii MSW

Subject : COMPUTER APPLICATIONS FOR SOCIAL WORK

Hours / Week : 3

Credits :

Semester : iii

Class Code : 09

Subject Code : PCW0120

Total Hours : 45

Total Marks : 100

Dec I	2	IV x V	Cost Category and Cost Centre Bank Reconciliation Statement.	projector PC-practicals	To tally 9 LP Computer Series-Guide to tally 9	Viva. Creating & Solving problem.
Dec II	2	V	Inventory and Stock, Display and Reporting.	projector PC-practicals	LP Computer Series-Guide to tally 9	Lab test Viva.

LESSON PLAN

Academic Year : 2021-2022
 Class : II MBW
 Subject : COMPUTER APPLICATIONS FOR SOCIAL WORK
 Hours / Week : 3
 Credits : 3

Semester : III
 Class Code : 09
 Subject Code : PCSW0120
 Total Hours : 45
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Aug I	3	I x II	Population Sample and types of Sampling techniques-fundamentals of computer-MS Word & Excel.	PC-practicals Demo class	Robert H. Carver Data analysis using SPSS for Windows	Lab test Viva.
Aug III	3	I x II	Case-Case Number-Variable-Variable Level-Types of Variable-System missing value.	PC-practicals Demo class.	Robert H. Carver Data analysis using SPSS for Windows	Lab test Viva
Aug IV	3	II	Scale of measurement-Code sheet-types of Statistics-Statistical tests-Types of analysis.	PC-practicals Demo class	Robert H. Carver Data analysis using SPSS for Windows	Lab test Viva.
Sep I	3	II	Structure of SPSS Window-Creating data file-Define data-variable name, variable label values	PC-practicals Demo class	Robert H. Carver Data analysis using SPSS for Windows	Creating different op. Lab test.
Sep II	3	III	Value labels, editing data file-saving, printing and recording of data-Qualitative data analysis.	PC-practicals Demo class	Robert H. Carver Data analysis using SPSS for Windows	Obtaining different values. Lab test
Sep III	3	III x IV	Creating a document and use of various formatting facilities	PC-practicals Demo class	Robert H. Carver Data analysis using SPSS for Windows	Lab test Viva.

Sep <u>iv</u>	3	<u>iv</u>	Create a spreadsheet and produce results.	pc-practicals Demo class	Data analysis using spss for windows	Lab test Vra
Oct <u>i</u>	3	<u>iv</u>	Adding word table and excel chart to powerpoint. Creating data file, assigning names and values to variables.	PC-practicals Demo class.	Data analysis using spss for windows.	Lab test Vra
Oct <u>ii</u>	3	<u>v</u>	Creating and running a simple analysis to create a frequency table. create charts for variables.	pc-practicals Demo class	Data analysis using spss for windows.	Lab test Vra
Oct <u>iii</u>	3	<u>i</u>	Fundamentals of a Computer: Meaning, characteristics, types of data.	PC-practicals Demo class.	Data analysis using spss for windows.	Lab test Vra
Oct <u>iii</u>	3	<u>i</u>	Basic operations - input, storage, processing, output, ALU and control-word processing, structure of word.	PC-practicals Demo class -	Data analysis using spss for windows.	Lab test Vra
Oct <u>iv</u>	3	<u>i</u>	Creating document, saving, opening, operating, printing, find and Replace spreadsheet - cell, rows and columns	PC-practicals Demo class.	Data analysis using spss for windows.	Lab test Vra
Nov <u>i</u>	3	<u>i</u>	Creating, opening, saving and printing a spreadsheet.	PC-practicals Demo class.	Data analysis using spss for windows.	Lab test Vra
Nov <u>ii</u>	3	<u>i</u>	Creating tables and charts and Calculations - Email etiquette, Internet usage	PC practicals Demo class.	Data analysis using spss for windows.	Lab test. Vra
Nov <u>iii</u>	3	<u>iii</u>	Single frequency, bivariate analysis	PC practicals Demo class.	Data analysis using spss for windows.	Lab test Vra

Academic Year : 2021-2022

Class : ii MSW

Subject : COMPUTER APPLICATIONS FOR SOCIAL WORK

Hours / Week : 3

Credits :

Semester : iii

Class Code : 09

Subject Code : PCSW120

Total Hours : 45

Total Marks : 100

Topic

Learning

Methods of

Nov <u>i</u>	3	<u>i</u>	Creating tables and charts and Calculations - Email etiquette, Internet usage	PC practicals Demo class.	Data analysis using SPSS for windows.	Lab test. Viva
Nov <u>iii</u>	3	<u>iii</u>	Single frequency, Bivariate analysis	PC practicals Demo class.	Data analysis using SPSS for windows.	Lab test Viva

LESSON PLAN

Academic Year : 2021-2022
 Class : ii MSW
 Subject : COMPUTER APPLICATIONS FOR SOCIAL WORK
 Hours / Week : 3
 Credits :

Semester : iii
 Class Code : 09
 Subject Code : PCSW120
 Total Hours : 45
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Nov <u>iv</u>	2	<u>iii</u>	Editing of tables and charts, fixing tables and charts in word document.	PC- practicals Demo class.	Robert H. Carter Data analysis using SPSS for Windows	Lab test Viva
Dec <u>i</u>	2	<u>iii</u>	Interpretation of data, Application of Statistical calculation and test.	PC- practicals Demo class	Data analysis using SPSS for Windows	Lab test Viva
Dec <u>i</u>	2	<u>iii</u>	Measurement of central tendency, dispersion, Chi-square, test, t test.	PC-practicals Demo class.	Data analysis using SPSS for windows.	Lab test Viva
Dec <u>ii</u>	2	<u>v</u>	Statistical application for central tendency and dispersion values.	PC- practicals Demo class	Data analysis using SPSS for windows.	Lab test Viva
Dec <u>ii</u>	1	<u>v</u>	Create 2-way tables Obtain chi-square values.	PC- practicals Demo class.	Data analysis using SPSS for windows.	Lab test Viva.
Practicals - Aug <u>ii</u> & <u>iii</u>	2	<u>iv</u>	1. Creating document and use of various formatting facilities. 2. create a spreadsheet & produce results	PC- practicals Demo class.	Data analysis using SPSS for windows.	obtaining different op - Viva.

Sep <u>ii</u>	2	<u>iv</u>	3. Adding word table & excel chart to PPT. 4. creating datafile, assigning names & values to variables, saving it.	pc-practicals Demo class	Data analysis using SPSS for windows.	lab test Viva
Sep <u>iii</u>	1	<u>v</u>	5. Running simple analysis to create frequency table. 6. Creating charts for different variables.	pc-practicals Demo class	Data analysis using SPSS for windows.	Lab test Viva
Sep <u>iii</u>	1	<u>v</u>	7. Statistical application for central tendency & dispersion values. 8. create 2 way tables & obtain Chi-Square values	pc-practicals Demo class.	Data analysis using SPSS for windows.	lab test Viva.

RAT 2022

Academic Year : 2021-2022
 Class : I BCA
 Subject : Computer Organization and Architecture
 Hours / Week : 4

Semester : II
 Class Code : 09
 Subject Code : UCGAE20
 Total Hours : 60
 Total Marks : 100

Teaching Learning Methods of Evaluation

LESSON PLAN

Academic Year : 2021-2022
 Class : I BCA
 Subject : Computer Organization and Architecture
 Hours / Week : 4
 Credits : 5

Semester : II
 Class Code : 09
 Subject Code : UCG-AE20
 Total Hours : 60
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Feb <u>IV</u>	4	<u>I</u>	Digital Computers - Logic gates, Boolean Algebra, Map & simplify	Black board	Computer system architecture	Assignment
Mar <u>I</u>	4	<u>I</u>	Combinational circuits - Sequential Circuits, Flip-flops (SR D JK T)	Black board	Computer system architecture	Assignment
Mar <u>II</u>	4	<u>I</u>	Digital components: Decoders, Multiplexers, Register, Shift register.	Black board	Computer system architecture	oral test
Mar <u>III</u>	4	<u>II</u>	Data types, Complements, Binary codes, Instruction codes, Computer registers	Black board	Computer system architecture	Assignment & Written test
May <u>IV</u>	4	<u>II</u>	Computer Instructions, Timing and control, Instruction cycle, Memory reference instructions.	Black board	Computer system architecture	Written test
Apr <u>I</u>	4	-	<u>I</u> CA Exam.	-	-	-

Apr <u>II</u>	f	<u>III</u>	Programming: Introduction, Machine language, Assembly language, Assembler, CPU-Introduction.	Black board	Computer System Architecture	Assignment
Apr <u>III</u>	f	<u>III</u>	General register organization, Instruction formats, Address mode, RISC and CISC characteristics	Black board	Computer System architecture	written test
Apr <u>IV</u>	f	<u>IV</u>	Input output organization: Peripheral devices, I/P, O/P Interface, Asynchronous data transfer	Black board	Computer System architecture	oral and written test
May <u>I</u>	f	<u>IV</u>	Modes of transfer, priority Interrupt, Direct memory access.	Black board	Computer System architecture	written test
May <u>II</u>	-	-	<u>II</u> CA Exam	-	-	-
May <u>III</u>	f	<u>V</u>	Memory organization: Memory Hierarchy, Main memory,	Black board	Computer System architecture	Assignment & oral test
May <u>IV</u>	f	<u>V</u>	Auxiliary memory, Cache memory, Virtual memory. Address and memory space	Black board	Computer System architecture	oral & written test
June <u>I</u>	f	<u>V</u>	Address mapping using pages, Associative memory, Page table, Page replacement.	Black board	Computer System architecture	written test
June <u>II</u>	f	-	Revision	-	-	oral test

Academic Year : 2021-2022
 Class : II BCA
 Subject : NET Programming
 Hours / Week : 5
 Credits : 4

Semester : IV
 Class Code : 09
 Subject Code : UCCAN20
 Total Hours : 75
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
					Programming	Assignment

June I	A	IV	Address mapping using pages, Associative memory, Page table, Page replacement.	Black board	Computer system architecture	Written test
June II	A	-	Revision	-	-	Oral test

LESSON PLAN

Academic Year : 2021-2022
 Class : II BCA
 Subject : .NET Programming
 Hours / Week : 5
 Credits : 4

Semester : IV
 Class Code : 09
 Subject Code : UCCAN20
 Total Hours : 75
 Total Marks : 100

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Feb IV	5	I	Introduction, Evolution of C#, characteristics, Applications, origins of .Net technology, .Net framework.	Black board	Programming in C#	Assignment
Mar I	5	I	CLR, user and program interfaces, .Net languages, Benefits, C# program, Namespaces, Primitive i/p, Literals, data types, Variables.	Black board	programming in C#	Oral test
Mar II	5	I A II	Decision making Branching and looping, Methods in C#, Declaring methods, Invoing.	Black board	programming in C#	Oral & Assignment test
Mar III	5	II	Nesting of methods, Method parameters, Pass by value & reference, op parameters, Method overloading, 1-d array, Creating?	Black board	programming in C#	Assignment
Mar IV	5	II	2-D array, Array list, Manipulating, Creating strings, Inserting, Comparing, Finding strings, array of strings	Black board	programming in C#	Oral and Written test
Apr I	-	-	I CA Exam.	-	-	-

Apr <u>ii</u>	5	<u>ii</u>	classes and objects, Defining, adding Variables & methods, creating objects, Constructors, Member # this reference.	Black board	Programming in C#	Assignment
Apr <u>iii</u>	5	<u>iii</u>	Nesting of class, Index, classed & Container Inheritance, Defining Subclass, Constructor, Multilevel, Hierarchical Inheritance, Overriding	Black board	Programming in C#	Assignment
Apr <u>iv</u>	5	<u>iv</u>	Defining, Implementing Interface, Explicit Interface, Need for op. overloading, Defining, Binary op., overloading Comparison, Delegate etc.	Black board	Programming in C#	Written test
May <u>i</u>	5	<u>iv</u>	Delegate methods, Instantiation, Invocation, using, Events, Exception, Types of errors, Catch Statement, Ex. Hier., Catch handler, Finally St.	Black board	Programming in C#	Oral test
May <u>ii</u>	-	-	<u>ii</u> CA EXAM	-	-	-
May <u>iii</u>	5	<u>v</u>	Creating Window forms, Customizing & creating Window application.	PC & Black board	Programming in C#	Oral test
May <u>iv</u>	5	<u>v</u>	Running Windows application, creating web page on .Net.	PC & Black board	Programming in C#	Written test
June <u>i</u>	5	<u>v</u>	creating .Net application to send sms to mobile phones.	PC & Black board	Programming in C#	Written test
June <u>ii</u>	5	-	Revision	-	-	Oral test

Academic Year : 2021-2022
 Class : iii BCA
 Subject : CBE - Accounting Software
 Hours / Week : 2
 Credits : 02

Semester : vi
 Class Code : 09
 Subject Code :
 Total Hours : 30
 Total Marks : 50

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
				PC	Guide to	Oral test

June I	5	I	creating .Net application to send SMS to mobile phones.	PC & Black board	to C#	test
June II	5	-	Revision	PC & Black board	in C#	written test
						oral test.

LESSON PLAN

Academic Year : 2021-2022
 Class : III BCA
 Subject : CBE - Accounting Software
 Hours / Week : 2
 Credits : 08

Semester : II
 Class Code : 09
 Subject Code :
 Total Hours : 30
 Total Marks : 50

Proposed Week	No. of Hrs	Unit	Topics to be Covered	Teaching Methodology	Learning Resources	Methods of Evaluation
Feb IV	2	I	Company creation and configuration creation for new company, company features, Accounting & Inventory features.	PC - Demo class	Guide to tally 9	Lab test
Mar I	2	I	Configuring tally - Voucher entry - Invoice/Order entry.	PC - Demo class	Guide to tally 9	Lab test viva.
Mar II	2	I	Shut a company, Alter, Delete, Accounting & Inventory on outside.	PC - Demo class	Guide to tally 9	Lab test viva
Mar III	2	II	Fundamentals of accounting & definition Ledger, Trial balance, profit and loss ac. P&L balance sheet.	PC - Demo class	Guide to tally 9	Lab test viva.
Mar IV	2	II	Inventory, Accounts master creation, A/c Information - Multiple Groups - Multiple ledgers, Cost Category & center.	PC - Demo class	Guide to tally 9.	Lab test viva.
Apr I	-	-	I CA Exam.	-	-	-

Apr <u>ii</u>	<u>iii</u>	<u>iii</u>	Inventory master creation - Stock groups Entering vouchers, types and entry	PC- Demo class	Guide to Tally 9	Lab test viva
Apr <u>iii</u>	iii	<u>iii</u>	Different types of vouchers, Reports, Display Bal. Sheet, P/L account, Display Trial bal, day book, Reconciliation	PC- Demo class	Guide to Tally 9	Lab test viva
Apr <u>iv</u>	2	<u>iv</u>	Trading profit and loss of company Balance Sheet of Company.	PC- Demo class	Guide to Tally 9	Lab test viva
May <u>i</u>	2	<u>iv</u>	Cost Category and Cost center, Reconciliation of bank a/c.	Practical Test	Guide to Tally 9	Lab test viva
May <u>ii</u>	-	-	II CA Exam.	-	-	Lab test
May <u>iii</u>	2	<u>v</u>	Bank Reconciliation Statement, Inventory and Stock.	PC- Demo class	Guide to Tally 9	Lab test viva
May <u>iv</u>	2	<u>v</u>	Display and Reporting.	PC Demo class	Guide to Tally 9	Lab test
June <u>i</u>	2	-	Revision	PC Demo class	Guide to Tally 9	viva
June <u>ii</u>	2	-	Revision	Demo class.	Guide to Tally 9	viva.

LESSON PLAN

Academic Year :
Class :
Subject :
Hours / Week :
Credits :

Semester :
Class Code :
Subject Code :
Total Hours :
Total Marks :

Methods of

WORK DONE

Academic Year : 2021-2022

Class : II BCA

Semester : III

Class Code : VCCAT20.

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
7-8-21 to 13-8-21	<u>II</u> BCA	Basic Concepts : Overview - System life cycle.	#116 Horowitz. Computer algorithms.	Blackboard Google meet
16-8-21.	<u>II</u> BCA	Pseudocode for expressing algorithms.	Fundamentals of Algorithms	Blackboard Google meet
to	<u>II</u> BCA	Algorithm Specification, Performance Analysis, Performance Measurement	Fundamentals of algorithm	Blackboard Google meet
20-8-21.	<u>II</u> BCA	Space Complexity Time Complexity	Fundamentals of algorithm	Blackboard Google meet
23.8.21 to 27.8.21	<u>II</u> BCA	Asymptotic Notation - Big Oh Notation, Omega, Theta, little o Notation	Fundamentals of algorithm	Blackboard Google meet
31.8.21 to 4.9.21	<u>II</u> BCA	Divide and Conquer - General Method.	Fundamentals of algorithm	Blackboard Google meet
6.9-21 9.9.21	<u>II</u> BCA	Find the Maximum and Minimum. Merge Sort.	Fundamentals of algorithm	Blackboard Google meet
13.9.21 to 17.9.21	<u>II</u> BCA	Quick Sort. Selection Sort.	Fundamentals of algorithm	Blackboard Google meet
20.9.21 21.9.21	<u>II</u> BCA	Optimal Binary Search tree, Time and space Complexity.	Fundamentals of algorithm	Blackboard Google meet
22.9.21 to 28.9.21	<u>II</u> BCA	Continuous Assessment I - Exam.	Fundamentals of algorithm	Blackboard Google meet
29.9.21 to 1.10.21	<u>II</u> BCA	Greedy Method: General method Knapsack problem.	Fundamentals of algorithm	Blackboard Google meet
4.10.21 to 8.10.21	<u>II</u> BCA	Minimum cost Spanning trees.	Fundamentals of algorithm	Blackboard Google meet
11.10.21 to 13.10.21 16.10.21	<u>II</u> BCA	Single Source Shortest path Problems, Dynamic programming - General Method	Fundamentals of algorithm	Blackboard Google meet
20.10.21 to 23.10.21	<u>II</u> BCA	All pairs Shortest path problem - Travelling Sales Person problem.	Fundamentals of algorithm	Blackboard Google meet
25.10.21 to 30.10.21	<u>II</u> BCA	Backtracking - General method algorithm.	Fundamentals of algorithm	Blackboard Google meet

		Academic Year		Class	
		Date		Date	
01.11.21 to 6.11.21	U BCA	8 Queens problem Sum of subsets.	Fundamentals of algorithms	Black board	
8.11.21 to 12.11.21	U BCA	Graph colouring Hamiltonian Cycle.	Fundamentals of algorithms.	Black board	
15.11.21 to 20.11.21	U BCA	Branch and bound - Fifo - Branch & bound - LIFO B&B.	Fundamentals of Algorithms	Black board	
22.11.21 to 26.11.21	U BCA	Least cost search, Least cost branch and bound.	Fundamentals Algorithms.	Black board	7-8-21
29.11.21 to 3.12.21	U BCA	Least cost search - NP hard and NP Complete problems	Fundamentals of Algorithms	Black board	10 3.8.21
6.12.21 to 10 12.21	U BCA	Semester - Practicals. Basic Concepts - Tiles Problem.	Fundamentals of Algorithms	Black Board	16.8.21 20.8.21
13.12.21 to 18.12.21	U BCA	Non-Deterministic Algorithms	Fundamentals of Algorithms	Black board	23.8.21 to 27.8.21
20.12.21 to 23.12.21	U BCA	Revision	Oral	Oral	31.8.21 to 4.9.21
03.1.22	U BCA	Revision	Oral.	Oral Revision	6.9.21 to 9.9.21
					13.9.21 to 17.9.21
					20.9.21 to 21.9.21
					22.9.21 to 28.9.21
					29.9.21 to 1.10.21
					4.10.21 to 8.10.21
					11.10.21 to 13.10.21, 16.10.21.
					20.10.21 to 23.10.21
					25.10.21 to 30.10.21
					01.11.21 to 6.11.21
					8.11.21 to 12.11.21

WORK DONE

Academic Year : 2021-2022

Class : II BCA

Semester : III

Class Code : USCAA320

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
9.8.21 to 13.8.21	<u>II</u> BCA	Company creation and Configuration creation for new company.	Guide to tally 9	PC-practical Google meet
16.8.21 to 20.8.21	<u>II</u> BCA	Company features, Accounting features, Inventory features	Guide to tally 9	PC-Practical Google meet
23.8.21 to 27.8.21	<u>II</u> BCA	Configuring tally, Configuring Voucher-entry, Invoice/order entry	Guide to tally 9	Practicals Google meet
31.8.21 to 4.9.21	<u>II</u> BCA	Sheet a company, Alter a company, Delete a company.	Guide to tally 9	Practicals Google meet
6.9.21 to 9.9.21	<u>II</u> BCA	Accounting and Inventory an outline: Fundamentals of accounting.	Guide to tally 9	Practicals Google meet
13.9.21 to 17.9.21	<u>II</u> BCA	Ledger and ledger accounts, Trial balance, Trading profit & loss account	Guide to tally 9	Practicals Google meet
20.9.21 to 24.9.21	<u>II</u> BCA	Profit and loss account. Balance Sheet.	Guide to tally 9	practicals Google meet
22.9.21 to 28.9.21	<u>II</u> BCA	Continuous Assessment - I	Guide to tally 9	practicals Google meet
29.9.21 to 1.10.21	<u>II</u> BCA	Fundamentals of Inventory. Accounts Master creation, Accounts Information	Guide to tally 9	practicals Google meet
4.10.21 to 8.10.21	<u>II</u> BCA	Group - Multiple groups, Ledgers - Multiple ledgers, Cost Categories, Cost centres	Guide to tally 9 & 9	practicals Google meet
11.10.21 to 13.10.21, 16.10.21	<u>II</u> BCA	Inventory master creation - Stock groups, Entering Vouchers, Voucher types & entry	Guide to tally 9.	Practicals.
20.10.21 to 23.10.21	<u>II</u> BCA	Different types of accounting vouchers, Reports in tally	Guide to tally 9.	Practicals.
25.10.21 to 30.10.21	<u>II</u> BCA	Display Balance Sheet, Profit and loss account.	Guide to tally 9.	Practicals.
01.11.21 to 6.11.21	<u>II</u> BCA	Display trial balance, Day book, Reconciliation of bank accounts.	Guide to tally 9	Practicals
8.11.21 to 12.11.21	<u>II</u> BCA	Trading, profit and loss of a company balance sheet of a company	Guide to tally 9	Practicals

					Academic Class	Date
15.11.21 to 20.11.21	<u>I</u> BCA	Cost Category and cost centre Bank Reconciliation Statement	Guide to Tally 9	Practicals		
22.11.21 to 26.11.21	<u>II</u> BCA	Inventory and Stock. Debit and Reporting.	Guide to Tally 9	Practicals		
29.11.21 to 3.12.21	<u>II</u> BCA	Practical Programs - Revision	Guide to Tally 9	Practicals		9-8-21 to 13-8-21
6.12.21 to 12.12.21	<u>II</u> BCA	Semester Practicals - Java, Data Structure, Accounting & w.	Guide to Tally 9.	PC		16-8-21 to 20-8-21
18.12.21 to 18.12.21	<u>II</u> BCA	Revision	Guide to Tally 9	Oral		23-8-21 to 27-8-21
20.12.21 to 23.12.21	<u>II</u> BCA	Revision	Guide to Tally 9	Oral		31-8-21 to 4-9-21
3.1.22.		Revision	Guide to Tally 9.	Oral		6-9-21 to 9-9-21
						13-9-21 to 17-9-21
						20-9-21 to 21-9-21
						22-9-21 to 28-9-21
						29-9-21 to 1-10-21
						4-10-21 to 8-10-21
						11-10-21 to 13-10-21, 16-10-21
						20-10-21 to 23-10-21
						25-10-21 to 29-10-21

WORK DONE

Academic Year : 2021-2022

Semester : III

Class : II MSW

Class Code : POSW120

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
9-8-21 to 13-8-21	<u>II</u> MSW	Population, Sample and types of Sampling techniques	Data analysis using SPSS	PC Demo session
16-8-21 to 20-8-21	<u>II</u> MSW	Case-Case Number- Variable- Variable level- types - Missing Value	Data analysis using SPSS	PC PPT
23-8-21 to 27-8-21	<u>II</u> MSW	Scale of measurement- Code sheet- types of Statistics- Statistical test- Analysis	Data analysis using SPSS	PC PPT
31-8-21 to 4-9-21	<u>II</u> MSW	Structure of SPSS window- Creating data file- Define data- Variable Name/label values	Data analysis using SPSS	PC PPT
6-9-21 to 9-9-21	<u>II</u> MSW	Value labels, editing data file - Saving, printing and recording of data and structure of data analysis of SPSS	Data analysis using SPSS	PC PPT
13-9-21 to 17-9-21	<u>II</u> MSW	creating a document and use of various formatting facilities.	Data analysis using SPSS	PC PPT
20-9-21 to 21-9-21	<u>II</u> MSW	Create a spreadsheet and Produce results.	Data analysis using SPSS	PC PPT
22-9-21 to 28-9-21	<u>II</u> MSW	Continuous Assessment - I	Data analysis using SPSS	PC PPT
29-9-21 to 1-10-21	<u>II</u> MSW	Adding word table and excel chart to powerpoint. create datafile, assign names & values to variable.	Data analysis using SPSS	PC PPT
4-10-21 to 8-10-21	<u>II</u> MSW	creating and running a simple analysis to create a frequency table, create charts for variables	Data analysis using SPSS	PC PPT
11-10-21 to 13-10-21, 16-10-21	<u>II</u> MSW	Fundamentals of a Computer: Meaning, Characteristics, types of data	Data analysis using SPSS	PC PPT.
20-10-21 to 23-10-21	<u>II</u> MSW	Basic operations- input, storage, processing, output, ALU and control- word processing, structure of word.	Data analysis using SPSS	PC PPT.
25-10-21 to 29-10-21	<u>II</u> MSW	Creating document, Saving, opening, opening, printing file. Find & Replace, Spread Sheets	Data analysis using SPSS	PC PPT

Academic Year : 2021-22

Semester : II Semester / Even

Class : I BCA

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
23-2-22	I BCA	Digital Computer - Introduction	Computer system architecture	Black board
to 26.2.22	I BCA	Logic gates - AND, OR, NOT, NAND, NOR, XOR, ENOR.	Computer system architecture	Black board
	I BCA	Boolean Algebra - Basic theorem and properties of boolean algebra	Computer system architecture	Black board
	I BCA	Map Simplification - KMap method	Computer system architecture	Black board
	I BCA	Map method - 2 variable map method.	Computer system architecture	Black board
	I BCA	3 variable and 4 variable Map method.	Computer system architecture	Black board
28.2.22 to	I BCA	Combinational circuits	Computer system architecture	Black board
5.3.22	I BCA	Sequential Circuits	Computer system architecture	Black board
	I BCA	Flip flops - SR flip flop, Excitation table.	Computer system architecture	Black board
	I BCA	D flip flop, JK flip flop, T flip flop.	Computer system architecture	Black board
7.3.22 to	I BCA	Digital Components - Decoders Encoders	Computer system architecture	Black board
11.3.22	I BCA	Multiplexer and Demultiplexer	Computer system architecture	Black board
	I BCA	Registers.	Computer system architecture	Black board
	I BCA	Shift Register.	Computer system architecture	Black board
	I BCA	Data Representation : Data types.	Computer system architecture	Black board

14-8.22 to	I BCD	Number System - Number Conversion.	Computer system architecture	Black board
19.8.22	I BCD	Complements - r's and (r-1)'s Complements - 1's, 2's, 9's, 10's	Computer system architecture	Black board
	I BCD	Other Binary codes.	Computer system architecture	Black board
	I BCD	Basic Computer Organization and design.	Computer system architecture	Black board
21.8.22 to	I BCD	Instruction Codes - Stored Program organization.	Computer system architecture	Black board
26.8.22	I BCD	Computer Registers - Common bus system.	Computer system architecture	Black board
	I BCD	Computer Instructions - Instruction set completeness	Computer system architecture	Black board
28.8.22 to	I BCD	Timing and Control - Timing diagram.	Computer system architecture	Black board
30.8.22	I BCD	Instruction cycle - fetch & decode, RPT & type.	Computer system architecture	Black board
	I BCD	Memory Reference Instructions.	Computer system architecture	Black board
31.8.22 to	I BCD	I CA EXAM.		
7.9.22				
8.9.22 to	I BCD	Programming: Introduction.	Computer system architecture	Black board
13.9.22		Machine Language.	Computer system architecture	Black board
18.9.22 to	I BCD	Assembly Language, Assembler	Computer system architecture	Black board
23.9.22		CPU - Introduction	Computer system architecture	Black board
25.9.22 to	I BCD	General register organization	Computer system architecture	Black board
30.9.22		Instruction formats Address Mode	Computer system architecture	Black board

Academic Year
Class

Date	Class
29-5-2022	I
27.5.2022	BCD
28.5.2022	I
3.5.2022	BCD
16.5.2022	I
24.5.2022	BCD
3.5.2022	I
25.5.2022	BCD
28.5.2022	I
5.6.2022	BCD
3.6.22 to 4.6.22	I
5.6.22 to 10.6.22	BCD

WORK DONE

Academic Year : 2021-2022

Class : II BCA

Semester : IV / Even

Class Code : 09

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
23-2-22 to 26-2-22	II BCA	Introduction, Evolution of C# characteristics, Applications	Programming in C#	Black board
	II BCA	origins of .Net language & Technology, .Net framework.	programming in C#	Black board
28.2.22 to 5.3.22	II BCA	CLR, user and program Interface, .Net languages, Benefits, C# program,	Programming in C#	pc
	II BCA	Namespaces, Interactive T/P, literals, variables and datatypes.	programming in C#	Black board
7-3.22 to 12.3.22	II BCA	Decision Making Branching & Looping, Methods, Invoking, Declaring.	programming in C#	Black board
	II BCA	Nesting of methods, Method parameter, pass by value & reference	programming in C#	Black board, pc
14.3.22 to 19.3.22	II BCA	output parameters, Method overloading 1-D * creating array.	Programming in C#	Black board, pc
21.3.22 to 26.3.22	II BCA	2-D array, creating array list, Manipulating.	programming in C#	pc
	II BCA	Creating strings, Inserting string, comparing strings,	programming in C#	Black board
28.3.22 to 30.3.22	II BCA	Finding strings, Arrays of strings	programming in C#.	Black board.
31.3.22 to 7.4.22	II BCA	I CA Exam.		
8-4.22 to 13.4.22	II BCA	classes and objects, Defining, adding variables and methods.	Programming in C#	Black board
18.4.22 to 23.4.22	II BCA	Creating objects, Constructors, Member, this reference. Nesting of class	programming in C#	Black board
25.4.22 to 30.4.22	II BCA	Index, classical and container Inheritance, Defining subclass.	programming in C#	Black board.

02.5.22 to 07.5.22	<u>II</u> BCA	Constructor, Multilevel, Hierarchical Inheritance.	Programming in C#	Black board	
08.5.22 to 13.5.22	<u>II</u> BCA	Overriding, Defining, Implementing Interfaces, Explicit Interface	Programming in C#	Black board	
16.5.22 to 21.5.22	<u>II</u> BCA	Need for operator overloading, Defining, Binary op., overloading Comparison	Programming in C#	Black board	
23.5.22 to	<u>II</u> BCA	Delegate decl, Delegate Methods, Instantiation, Invocation, Using, Events	Programming in C#	Black board	23
25.5.22	<u>II</u> BCA	Exception, types of errors, catch &/-; catch handler Hier, using finally	Programming in C#	Black board	25
26.5.22 to 2.6.22	<u>II</u> BCA	<u>II</u> CA Examination	Programming in C#	Black board	26
3.6.22 to 4.6.22	<u>II</u> BCA	Working with Windows Application Running Windows Application	Programming in C#	Black board	3
6.6.22 to 10.6.22	<u>II</u> BCA	Windows based on .Net Revision - I unit	Programming in C#	Black board	7- 10
					1A. to 1
					21. to 2
					28. to 2

WORK DONE

Academic Year : 2021-2022
 Class : II BCA

Semester : VI / Even.
 Class Code : 09.

Date	Class	Topic Covered	Learning Resources	Teaching Methodology
23.2.22 to 26.2.22	<u>II</u> BCA	Company creation and configuration creation of New company & features	Guide to tally 9	PC
	<u>III</u> BCA	Accounting and Inventory features.	Guide to tally 9	PC
28.2.22 to 5.3.22	<u>III</u> BCA	Configuring tally, Voucher entry.	Guide to tally 9	PC
	<u>III</u> BCA	Invoice entry, order entry.	Guide to tally 9	PC
7.3.22 to 11.3.22	<u>III</u> BCA	Shut a company, Alter a company	Guide to tally 9	PC
	<u>III</u> BCA	Accounting & Inventory on outline	Guide to tally 9	PC
14.3.22 to 19.3.22	<u>III</u> BCA	Fundamentals of accounting. Definitions.	Guide to tally 9	PC
	<u>III</u> BCA	Ledger, Trial balance, Profit and loss account	Guide to tally 9	PC
21.3.22 to 26.3.22	<u>III</u> BCA	Profit & loss balance sheet. Inventory.	Guide to tally 9	PC
	<u>III</u> BCA	Accounts Master creation, Accounts Information.	Guide to tally 9	PC
28.3.22 to 30.3.22	<u>III</u> BCA	Groups - Multiple Groups, ledgers. Multiple ledgers.	Guide to tally 9	PC
	<u>III</u> BCA	Cost Category & cost centres.	Guide to tally 9	PC
31.3.22 to 7.4.22	<u>III</u> BCA	CA Exam.	-	-

04.02 to 13.04.22	<u>III</u> BCA	Inventory and Stock. Different Types of Reports.	Guide to Tally 9	PC
18.04.22 to 23.04.22	<u>III</u> BCA	Bank Reconciliation	Guide to Tally 9	PC
25.04.22 to 30.04.22	<u>III</u> BCA	Display and Report. Semester Practical Exam	Guide to Tally 9	PC
02.05.22 to 02.05.22	<u>III</u> BCA	Practice Session	Guide to Tally 9	PC
13.05.22	<u>III</u> BCA	CBF - Practical Examination	Guide to Tally 9	PC.
26.05.22 to	<u>III</u> BCA	<u>I</u> CA Examination	-	-
2.6.22 to 31/05/22		— X X X —		
2.6.22 to 4.6.22	<u>III</u> BCA	Revision	Guide to Tally 9	PC.
6.6.22 to 10.6.22	<u>III</u> BCA	Revision	Guide to Tally 9	PC.