M.G.R. COLLEGE

Approved by Government of Tamilnadu, Affiliated to Periyar University, Salem
Re-Accredited by NAAC
Recognized by UGC under section 2(f) and 12(B), New Delhi
Dr. M.G.R Nagar, HOSUR – 635 130 Krishnagiri Dist., Tamil Nadu

SUPPORTING DOCUMENTS

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment.

Lesson plan

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M.G.R.COLLEGE,HOSUR

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Reaccredited by NAAC
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Internal Quality Assurance Cell

Department of Computer Science

LESSON PLAN

Odd Semester
2022– 2023

ANANCHAPERUMAL MUTHUMONI

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2022 – 2023

ODD SEMESTER

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: **Dr. D SANTHI JESLET** Subject:**problem Solving Through C**
Subject Code: **21UCS01** Year / Semester :**I B.Sc(CS) "B"**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Overview of Computers and Programming Introduction,Electronic Computers Then and Now	1	18.08.22	4th hr	18/8/22
2	Computer Hardware Anatomy of Memory,	2	23.08.22	2nd & 6th hr	23/8/22
	Main memory Secondary memory, Input/Output Devices	1	24.08.22	6th hr	24/8/22
3	Computer Software, Operating System	2	25.08.22	3rd & 5th hr	25/8
4	Application Software, Computer Languages	1	29.08.22	7th hr	29/8
5	Applying the Software Development MethodCASE STUDY Converting Miles to Kilometers	2	29.08.22 30.08.22	6th hr 2nd hr	30/8/22
6	Professional Ethics for Computer Programmers	1			
7	Privacy and Misuse of Data, Computer Hacking	1	01.09.22	3rd hr	1/9/22
8	Fundamental Of C History of C, Importance of C, Sample Program	2	22.08.22	2nd & 7th hr	22/8/22
9	Constants, Variables and Data Types Character Set, Keywords and Identifiers, Data types	2	01.09.22 & 02.09.22	5th hr 2nd hr	1/9/22 2/9/22
10	Operators and Expression Arithmetic Operators	2	06.09.22 08.09.22	2nd hr 3rd hr	6/9/22 8/9/22
11	, Relational, Logical, Special Operators	1	08.09.22	5th hr	8/9/22
12	Evaluation of Expression Precedence of Arithmetic Operators	2	09.09.22 13.09.22	2nd hr 2nd hr	9/9/22 13/9/22
13	Mathematical Functions	2	13.09.22	6th hr	13/9/22
14	Formatted Input and Output	2	14.09.22 15.09.22	4th hr 3rd hr	14/9/22 15/9/22
	UNIT-II				
1	Decision Making IF....Else Statement, Switch,	2 + 2	15.09.22 16.09.22 20.09.22	5th hr 2nd hr 6th & 7th hr	15/9/22 16/9/22 20/9/22
2	Break, Continue, The GO TO Statement	1	28.09.22	7th hr	28/9/22

3	Loop Control Statement Introduction, WHILE, DO, FOR Loops	2	29.09.22	2nd hr 6th hr	
4	Arrays Introduction, Declaration and Initialization , sample program	2	06.10.22	2nd hr 6th hr	
5	One Dimensional Array Declaration and Initialization, Example Program	2	07.10.22 10.10.22	6th hr 2nd hr	
6	Two Dimensional Arrays Declaration and Initialization, Example Program	2	10.10.22 11.10.22	7th hr 2nd hr	
7	Multidimensional Arrays Dynamic Arrays, More about Arrays	1	12.10.22	4th hr	
	UNIT-III				
1	Character String Handling Declaring and Initializing String Variables,	2	13.10.22	3rd & 5th hr	
2	Reading String from Terminal, Writing String to Screen	1	14.10.22	2nd hr	
3	String handling Function User Define Function, Need for User Define Function	2	17.10.22 18.10.22	7th hr 2nd hr	
4	Types of Function Argument but no Return Value, Argument With Return Value, No Argument but a Return Value,	2	18.10.22 26.10.22	6th hr 4th hr	
5	Nesting of Functions	1	27.10.22	3rd hr	
6	Recursion Passing Arrays To Function, Passing Strings To Function	2	27.10.22 28.10.22	5th hr 2nd hr	
7	The Scope and Visibility and Life time of a Variables	1	31.10.22	7th hr	
	UNIT-IV				
1	Structures Introduction, Definition,Structure Initialization,	2	01.11.22	2nd & 6th hr	
2	Comparison of Structure variables	1	02.11.22	4th hr	
3	Comparison of Structure variables	1	03.11.22	3rd hr	
4	Array of Structures Array With in Structure, Structure with in Structure	2	03.11.22 04.11.22	5th hr 6th hr	
5	Unions in C Understanding union	2	07.11.22 08.11.22	7th hr 2nd hr	
6	Pointers Understanding Pointers, Accessing the Address of a Variables,	2	08.11.22 09.11.22	6th hr 4th hr	
7	Declaring and Initializing Pointer Variables	1	10.11.22	3rd hr	

8	Accessing a Variable through its Pointer Chain of Pointer, Pointer Expression	2	10.11.22 11.11.22	5th hr 6th hr	
9	Pointers and Arrays	1	14.11.22	7th hr	
10	Pointers and Character String	2	15.11.22	3rd hr & 5th hr	
11	Pointers and Functions and Structures	1	16.11.22	4th hr	
	UNIT-V				
1	File Management in C Defining and Opening a File, Closing a File	2	17.11.22	3rd hr & 5th hr	
2	I/O Operations on File	1	18.11.22	2nd hr	
3	Error Handling During I/O Operations	2	21.11.22 22.11.22	7th hr 2nd hr	
4	Random Access to Files	2	22.11.22 23.11.22	6th hr 4th hr	
5	Command line Argument	2	28.11.22 29.11.22	7th hr 2nd hr	
6	Preprocessors	1	29.11.22	6th hr.	

Teaching Methods: Lecture using Board, LCD ,Discussion & Computer

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Name: **Dr. D SANTHI JESLET** Subject:- **C-PROGRAMMING**

Code: **21UCSP01** Year / Semester : **I /I SEM**

	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	a) C program to find largest of 3 numbers b) C Program to construct Pyramid c) C Program to perform arithmetic operations	4	22.08.22	1st-4th hr	22/8/22
	C program to print prime numbers within the range of integers given. .	4	29.08.22	1st-4th hr	29/8/22
	C Program to find the sum and average of given N numbers	4	05.09.22	1st-4th hr	5/9/22
	C Program using all decision making and looping statements.	4	12.09.22	1st-4th hr	12/9/22
	C Program to arrange the given numbers in ascending /descending order	4	19.09.22	1st-4th hr	19/9/22
	Develop a C Program to perform matrix multiplication.	4	26.9.23	1st-4th hr	26/9/23
	C Program to manipulate string functions.	4	10.10.23	1st-4th hr	10/10/23
	Develop a C Program to find the Fibonacci series for a give number using recursive	4	17.10.23	1st-4th hr	17/10/23
	C Program to show Call by Value and Call by Reference.	4	31.10.23	1st-4th hr	31/10/23
	Develop a C program to swap two numbers using pointers	4	7.11.23	1st-4th hr	7/11/23
	Develop a C Program to update the student's details using various file modes.	4	14.11.23	1st-4th hr	14/11/23
	Develop a C Program to copy the content of one file to another file.	4	21.11.23	1st-4th hr	21/11/23

; Methods: Lecture using Board,computer, LCD & Discussion

HEAD OF THE DEPARTMENT **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR : 2022-23

Faculty Name: **Dr. D. SANTHI JESLET** Subject: **Open Source Computing**

Subject Code: 21PCS08

Year / Semester : **II/III**

Course : **M.Sc**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I(9)				
1	Introduction	1	10.8.22	2nd hr	
2	Numbers	1	16.8.22	4th hr	
3	Strings	1	17.8.22	6th hr	
4	Variables	1	18.8.22	7th hr	
5	Lists	1	22.8.22	1st hr	
6	Tuples	1	23.9.22	4th hr	
7	Dictionaries	1	23.9.22	4th hr	
8	Sets	1	26.9.22	6th hr	
9	Comparison.	1	26.9.22	7th hr	
	UNIT-II(26)				
1.	Code Structures: if, elif, and else	2	28.9.22	2nd hr	
2.	Repeat with while	2	29.9.22	4th hr	
3.	Iterate with for	2	6.10.22	7th hr	
4.	Comprehensions	1	10.10.22	1st hr	
5.	Functions	2	11.10.22	4th hr	
6.	Generators – Decorators	1	12.10.22	2nd hr	
7.	Namespaces and Scope	1	13.10.22	7th hr	
8.	Handle Errors with try and except User Exceptions	2	17.10.22	1st hr	
9.	Standalone Programs Command-Line Arguments	1	18.10.22	2nd hr	

10.	Modules and the import Statement	2	20.10.22	7th hr	
11.	Python Standard Library	1	21.10.22	6th hr	
12.	Define a Class with class	1	26.10.22	2nd hr	
13.	Inheritance	2	27.10.22	6th hr	
14.	Override a Method Add a Method Self Defense	1	28.10.22	6th hr	
15.	Get and Set Attribute Values with Properties	1	31.10.22	1st hr	
16.	Name Mangling for Privacy	1	31.10.22	2nd hr	
17.	Method types Duck typing	2	1.11.22	4th hr	
18.	Special methods Composition	1	2.11.22	2nd hr	
	UNIT-III(10)				
1.	Data types:Text strings	1	2.11.22	6th hr	
2.	Binary data	1	3.11.22	6th hr	
3.	Storing and retrieving data	1	3.11.22	7th hr	
4.	File Input/Output	2	4.11.22	6th hr	
5.	Structured text files	2	7.11.22	1st hr	
6.	Relational databases	1	8.11.22	4th hr	
7.	No SQL data stores	1	8.11.22	6th hr	
8.	Example programs for file handling	1	9.11.22	2nd hr	
	UNIT-IV(13)				
1.	Web clients	2	11.11.22	5th hr	
2.	Web server	1	11.11.22	6th hr	
3.	Implementation of client/server programs	2	15.11.22	4th hr	
4.	Web service and automation	1	16.11.22	2nd hr	
5.	Systems: files	2	17.11.22	7th hr	
6.	Directories	1	18.11.22	6th hr	
7.	Programs and processors	2	18.11.22	7th hr	
8.	Calendars	1	21.11.22	1st hr	
9.	Clocks	1	21.11.22	2nd hr	
	UNIT-V(17)				

1.	Concurrency: queues	1	22.11.22	4th hr	22/11/22
2.	Processors	1	22.11.22	6th hr	22/11/22
3.	Threads	1	23.11.22	2nd hr	23/11/22
4.	Green threads and gevent	2	24.11.22	6th hr	24/11/22
5.	Twisted Redis	1	24.11.22	7th hr	24/11/22
6.	Networks: patterns	1	28.11.22	1st hr	28/11/22
7.	Publish-subscribe model	1	28.11.22	2nd hr	28/11/22
8.	TCP/IP Sockets	2	29.11.22	4th hr	29/11/22
9.	Zero MQ	1	30.11.22	2nd hr	30/11/22
10.	Internet services Web services and APIs	1	30.11.22	6th hr	30/11/22
11.	Remote proccesing	1	01.12.22	6th hr	01/12/22
12.	Big fat data and map reduce	2	01.12.22	7th hr	01/12/22
13.	Working in the clouds	2	02.12.22	6th hr	02/12/22

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R.COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

lty Name: V. GOVINDARAJU
ect Code: **21UCSSP01**

Subject: OFFICE AUTOMATION LAB
Year / Semester: **II BSC(CS)"A"SEC**

	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	MS WORD				
	Text manipulation: write a paragraph about your institution and change the font size, and type spell check	2	16/8/22	3,4	
	Bio data: prepare a Bio data	2	23/8/22	3,4	
	Find and replace: write a paragraph about yourself and do the following.	2	30/8/22	3,4	
	Find and replace-use numbering bullets, footer and Header.	2	30/8/22	3,4	
	Table and manipulation: creation, insertion, deletion (columns and rows) create a mark sheet.	2	06/09/22	3,4	
	Mail merge: prepare an invitation to invite your friends to your birthday party. prepare at least five letters	2	13/09/22	3,4	
	MS EXCEL				
	Data sorting-ascending and descending(both numbers &alphabets)	2	20/09/22	3,4	
	Mark list preparation for a student	2	27/09/22	3,4	
	Individual pay bill preparation	2	11/10/22	3,4	
	Invoice report preparation	2	18/10/22	3,4	
	Drawing graphs take your own table	2	01/11/22	3,4	
	MS POWER POINT				
	Create a slide show presentation for a seminar	2	08/11/22	3,4	
	Prepare of organization charts	2	15/11/22	3,4	
	Create a slide show presentation to display percentage students	2	15/11/22	3,4	
	Use bar chart (X-axis: semester ,Y- axis %mark)	2	22/11/22	3,4	
	Use different presentation template	2	22/11/22	3,4	

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M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: **V.GOVINDARAJU** Subject: **ADVANCED JAVA PROGRAMMING**
Subject Code: 21PCS03 Year / Semester : I M.Sc(CS)/SEM 1

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction to Design patterns	2	17/10/22	4th, 7th	
2	Collection Framework	2	18/10/22	4th, 7th	
3	Array List class	1	19/10/22	1st	
4	Linked List class	2	20/10/22	3rd 5th	
5	Array List vs. Linked List	1	21/10/22	6th	
6	List Iterator interface	2	22/10/22	4th, 7th	
7	Map interface	2	26/10/22	1st, 5th	
8	Comparable interface	1	27/10/22	1st	
9	Comparator interface	1	28/10/22	3rd	
10	Comparable vs. Comparator	1	29/10/22	6th	
	UNIT-II				
1	Applet Fundamentals	1	31/10/22	4th	
2	Applet lifecycle	2	1/11/22	4th, 7th	
3	Steps for Developing Applet Programs	2	2/11/22	1st, 5th	
4	Graphics in Applets	2	3/11/22	3rd, 5th	
5	AWT Component classes	2	4/11/22	2nd, 6th	
6	Swing component classes	1	5/11/22	1st	
7	Event handling with AWT components	2	7/11/22	3rd, 5th	
8	AWT Graphics classes	1	8/11/22	6th	
9	Tree, Table	1	9/11/22	3rd	
10	Borders	1	10/11/22	1st	
	UNIT-III				
1	JDBC -Introduction	1	11/11/22	1st	
2	JDBC Classes and Interfaces	1	14/11/22	3rd	
3	Database Access with MySQL	1	15/11/22	5th	
4	Steps In Developing JDBC application	1	16/11/22	6th	

5	Creating a New Database andTable with JDBC	2	17/11/22	4th, 7th	
6	Working with Database Metadata	2	18/11/22	3rd, 5th	
7	Networking in Java	1	19/11/22	1st	
8	Socket Program using TCP/IP	2	21/11/22	2nd, 6th	
9	Socket Program using UDP	2	22/11/22	3rd, 5th	
10	URL and Inet address classes.	2	23/11/22	4th, 7th	
	UNIT-IV				
1	Servlet	2	24/11/22	1st, 4th	
2	Advantages over Applets	1	28/11/22	3rd	
3	Servlet Architecture	2	29/11/22	1st, 7th	
4	Servlet Life Cycle	2	30/11/22	3rd, 5th	
5	JSP Engines	2	1/12/22	2nd, 6th	
6	Working with JSP	1	2/12/22	3rd	
7	JSP and Servlet	2	3/12/22	1st, 5th	
8	Anatomy of a JSP Page	2	5/12/22	3rd, 6th	
9	Database Connectivity using Servlets and JSP	1	6/12/22	1st	
	UNIT-V				
1	Lambda Expressions	2	7/12/22	1st, 5th	
2	Method Reference	2	8/12/22	2nd, 6th	
3	Functional Interface	2	9/12/22	1st, 4th	
4	Streams API, Filters	2	10/12/22	1st. 6th	
5	JShell (RPEL)	1	12/12/22	1st	
6	Collection Factory Methods	1	13/12/22	3rd	
7	Private Interface Methods	2	14/12/22	4th, 7th	
8	Inner Class Diamond Operator	1	15/12/22	1st	
9	Multi resolution Image API	2	16/12/22	3rd, 5th	

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

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M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: **V GOVINDARAJU**
Subject Code: **21PCSP01**

Subject: **AJP LAB**
Year / Semester : **I M.Sc /SEM I**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
1	Implementation of Multi-threading and Exception handling concepts	4	17/10/22	4th,5th,6th,7th	
2	A program to read, write and copy a file using byte streams	4	22/10/22	1st,2nd,3rd,4th	
3	A program to read, write and copy a file using character streams	4	29/10/22	1st,2nd,3rd,4th	
4	A programs using AWT to display the personal detail of an employee	4	31/10/22	4th,5th,6th,7th	
5	A banking system using Swing	4	05/11/22	1st,2nd,3rd,4th	
6	A program to handle Mouse and Key events	4	7/11/22	4th,5th,6th,7th	
7	Implement TCP/IP protocol for message communication	4	14/11/22	4th,5th,6th,7th	
8	Implement UDP protocol for message communication	4	19/11/22	1st,2nd,3rd,4th	
9	Develop a student information system using JDBC	4	21/11/22	4th,5th,6th,7th	
10	Implement client/server communication using servlets	4	28/11/22	4th,5th,6th,7th	
11	Develop a web page using JSP	4	05/12/22	4th,5th,6th,7th	
12	Implementation of RMI	4	12/12/22	4th,5th,6th,7th	

Teaching Methods: Lecture using Board, computer, LCD & Discussion

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FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
LESSON PLAN
ACADEMIC YEAR :2022-23

Faculty Name: **V GOVINDARAJU** Subject: **RDBMS**
Subject Code: **21UCS03** Year / Semester : **II B.SC/ III**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction	1	1/8/22	2	
2	Database System Applications	1	2/8/22	5	
3	Purpose of Database Systems	1	3/8/22	4	
4	View of data	1	4/8/22	6	
5	Database Languages	1	5/8/22	3	
6	Transaction Management	1	6/8/22	2	
7	Database Architecture	1	8/8/22	2	
8	DBA	1	10/8/22	4	
9	Structure of Relational Databases	1	11/8/22	6	
10	E-R Model	1	13/8/22	3	
11	Constraints	1	16/8/22	2	
12	E-R Diagrams	1	17/8/22	5	
	UNIT-II				
1	Relational Algebra Operations	2	18/8/22	2, 6	
2	The Tuple Relational Calculus	1	20/8/22	5	
3	Domain Relational Calculus	1	22/8/22	4	
4	SQL: Data Definition	1	23/8/22	6	
5	Basic Structure of SQL Queries	2	24/8/22	3, 7	
6	Set Operations	1	25/8/22	2	
7	Aggregate Functions	1	26/8/22	5	
8	Null Values	1	27/8/22	4	
9	Nested Sub-Queries	1	29/8/22	6	
10	Views	1	30/8/22	3	
11	Modification of the Database	2	1/9/22	2, 5	

	UNIT-III			
1	Data Normalization- Introduction	1	2/9/22	5
2	Pitfalls in Relational Database Design	2	3/9/22	4,7
3	Decomposition	1	5/9/22	6
4	Functional Dependencies	1	6/9/22	3
5	Normalization-1NF	1	7/9/22	2
6	Normalization-2NF	1	8/9/22	5
7	Normalization-3NF	1	9/9/22	4
8	Normalization -4NF	2	10/9/22	2,6
9	Normalization-5NF	1	12/9/22	3
10	Normalization- BCNF	1	13/9/22	2
11	Denormalization	1	14/9/22	5
12	Data Security Requirements	1	15/9/22	4
13	Protecting Data	1	16/9/22	6
14	Granting and Revoking Privileges	1	17/9/22	3
15	Data Encryption	1	19/9/22	2
	UNIT-IV			
1	PL/SQL-Introduction	1	20/9/22	5
2	PL/SQL-History	1	21/9/22	4
3	PL/SQL-Fundamentals	2	22/9/22	2,6
4	Block Structure	1	23/9/22	3
5	Comments	1	24/9/22	2
6	Data types	1	26/9/22	5
7	Other Data types	1	27/9/22	4
8	Assignment Operations	2	28/9/22	3,6
9	Bind	1	29/9/22	3
10	Substitution Variables	1	30/9/22	2
11	Printing	1	6/10/22	5
12	Arithmetic operators	1	7/10/22	4
13	Embedded SQL Control Structures	2	8/10/22	2,6
14	Nested Blocks	1	10/10/22	3
15	SQL IN PL/SQL	1	11/10/22	2

16	Data Manipulation	1	12/10/22	5	
17	Transaction Control Statements,	1	13/10/22	4	
18	PL/SQL Cursors	1	14/10/22	6	
19	Exceptions,	1	15/10/22	3	
20	Types of Exceptions	1	17/10/22	2	
	UNIT-V				
1	PL/SQL Composite Databytes	1	18/10/22	5	
2	Records	1	19/10/22	4	
3	Tables	1	20/10/22	6	
4	V arrays	1	21/10/22	3	
5	Named Blocks : Procedures	1	22/10/22	2	
6	Functions	1	26/10/22	5	
7	Packages	1	02/11/22	4	
8	Triggers	1	7/11/22	6	
9	Data Dictionary Views	1	10/11/22	3	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: **V GOVINDARAJU**
Subject Code: **21UCSP03**

Subject: **SQL and PL/SQL**
Year / Semester : **II BSC/III**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
1.	Start up and Create SQL query	3	08/08/22	5th, 6th, 7th	
2	Data Definition of Base Tables.	3	22/08/22	5th, 6th, 7th	
3	DDL with Primary key constraints	3	29/08/22	5th, 6th, 7th	
4	DDL with constraints and verification by insert command	4	05/09/22	4th, 5th, 6th, 7th	
5	Data Manipulation of Base Tables and Views.	3	19/9/22	5th, 6th, 7th	
6	Demonstrate the Query commands.	3	26/9/22	5th, 6th, 7th	
7.	PL/SQL commands	3	10/10/22	5th, 6th, 7th	
8	PL/SQL code block an account number from the user and debit an amount	4	17/10/22	4th, 5th, 6th, 7th	
9	PL/SQL code block to calculate the area of the circle for a value of radius varying from 3 to 7.	3	31/10/22	5th, 6th, 7th	
10	PL/SQL block of code for reversing a number. (Example : 1234 as 4321)	3	07/11/22	5th, 6th, 7th	
11	Create a transparent audit system for a table Client_master (client_no, name, address, Bal_due). The system must keep track of the records that are being deleted or updated.	4	21/11/22	4th, 5th 6th, 7th	

Teaching Methods: Lecture using Board, computer, LCD & Discussion

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

Faculty Name: R GAYATHRI

Subject: Distributed OS

Subject Code: 21PCS02

Year / Semester : I M.Sc / 1st sem

S.No	Topics to be covered	Hours Planned	Date on which topic	Hour on which topic	Initial/ Remarks
	UNIT-I				
1	Introduction	1	17.8.22	1	
2	Operating System Definition	1	17.8.22	6	
3	Functions of Operating System	1	18.8.22	5	
4	Types of Advanced Operating System	1	19.8.22	2	
5	Design Approaches	1	19.8.22	5	
6	Synchronization Mechanisms	1	24.8.22	1	
7	concepts of a Process–	2	24/25.8.22	6,5	
8	Critical Section Problem	1	26.8.22	2	
9	Process Deadlock	1	26.8.22	5	
10	Models of Deadlock	1	31.8.22	1	
11	Conditions for Deadlock	2	07.9.22	1,6	
12	System with single-unit requests	1	08.9.22	5	
13	Consumable Resources , Reusable Resources	1	7.9.22	2	
	UNIT-II				
1	Distributed Operating Systems: Introduction	1	9.9.22	5	
2	Issues of distributed operating system	1	14.9.22	1	
3	Communication Primitives – Inherent Limitations	2	14,15.922	6,5	
4	Lamport's Logical Clock	1	16.9.22	2	
5	Vector Clock,Global State, Cuts	1	21.9.22	5	
6	Termination Detection	1	22.9.22	5	
7	Distributed Mutual Exclusion	1	23.9.22	1	
8	NonToken Based Algorithms	1	23.9.22	6	
9	Lamport's Algorithm	1	28.9.22	5	
10	Token Based Algorithms	1	29.9.22	2	
11	Distributed Deadlock Detection	1	30.9.22	5	
12	Distributed Deadlock Detection Algorithms	2	6,7.10.22	5,2	
13	Agreement Protocols	1	8.10.22	2	
	UNIT-III				
1	Distributed Resource Management	1	12.10.22	1	
2	Distributed File Systems – Architecture	1	13.10.22	6	
3	Mechanisms – Design Issues	1	13.10.22	7	
4	Distributed shared Memory	2	14.10.22	2,5	
5	Architecture	2	19.10.22	1,6	

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

Faculty Name: R GAYATHRI **Subject: Distributed OS**

Subject Code: 21PCS02 **Year / Semester : I M.Sc / 1st sem**

6	Algorithm	1	20.10.22
7	Protocols – Design Issues	2	21.10.22
8	Distributed Scheduling	1	27.10.22
9	Issues	2	28.10.22
10	Components	1	2.11.22
11	Algorithms.	1	2.11.22
	UNIT-IV		
1	Failure Recovery and Fault Tolerance	2	3,4.11.22
2	Concepts – Failure Classifications	2	4,9.11.22
3	Approaches to Recovery	1	9.11.22
4	Recovery in Concurrent Systems	1	10.11.22
5	Synchronous and Asynchronous Check pointing and	2	11.11.22
6	Check pointing in Distributed Database Systems	1	16.11.22
7	Fault Tolerance Issues	1	16.11.22
8	Two-Phase and Non blocking Commit Protocols	2	17,18.11.22
9	Voting Protocols.	2	18.11.22/23
10	Dynamic Voting Protocols	1	23.11.22
	UNIT-V		
1	Multiprocessor Operating Systems	2	24,25.11.22
2	Database Operating Systems	1	25.11.22
3	Structures – Design Issues	2	30.11.22
4	Threads	1	01.12.22
5	Process Synchronization	1	2.12.22
6	Processor Scheduling	1	02.12.22
7	Memory management	1	07.12.22
8	Reliability/Fault Tolerance	1	8.12.22
9	Database Operating Systems– concepts	2	8,9.12.22
10	Features of Android OS, Ubuntu	1	14.12.22
11	Google Chrome OS and Linux operating systems	2	15.12.22

Teaching Methods: Lecture using Board, LCD & Discussion

FACULTY **HEAD OF THE DEPARTMENT**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMMERCE
Lesson Plan
ACADEMIC YEAR :2022-23

alty Name: **R.GAYATHRI** Subject: GUI Programming
ject Code: **19UCS06** Year / Semester : 2022 / V Semester
URSE : B.Sc 'B' III

o	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
	Introduction to Visual Basic	1	10/8/22	4	
	Programming Language	1	11/18/22	1	
	Procedural	1	11 & 12. 08.22	1	
	Object Oriented	1	12.8.22	4	
	Event Driven	1	12.8.22	4	
	Writing VB Projects: The Three-Step Process	1	13.8.22	4	
	Visual Basic Projects	1	16.8.22	2	
	VB Environments	1	17.8.22	6	
	Writing First Project: Basic Projects	1	18.8.22	6,4	
	Sample Printout	1	20.8.22	1	
	Finding and Fixing Errors: Compile Errors	2	20.8.22 22.8.22	2	
	Runtime Errors	1	22.8.22	2,1	
	Logic Errors	1	23.8.22	6	
	Project Debugging	1	23.8.22	6	
	Naming Rules and Conventions for Objects	1	24.8.22	6	
	VB Help Controls in VB	2	24.8.22 25.8.22	4	
	Coding for Controls: Clearing text Boxes and Labels, Resetting the Focus	1	26.8.22	4,1	
	Setting the Value property of Option Buttons, Check Boxes, Change the Font Properties of Controls	1	27.8.22	3	
	Change the Color of text, Content text,	1	29.8.22	2	
	UNIT-II				
	Variables	1	30.8.22	6	
	Constants	1	30.8.22	6	

3	Calculation	1	30.8.22	
4	Data Types	1	31.8.22	6
5	Variables and Constants	2	31.8.22	4
6	Value function	1	01.9.22	4
7	Arithmetic operations: Order of Operation	1	5.9.22	1
8	Using Calculation in code	1	5.9.22	1
9	Formatting data	1	6.9.22	6
10	Decisions and conditions	2	8.9.22	6
11	If Statements, Conditions	1	12.9.22	1
12	Nested If Statement	1	12.9.22	1
13	Using If Statement with option buttons and checkboxes	1	14.9.22	6
14	Displaying messages	1	14.9.22	4
15	Input validation	1	15.9.22	4
16	Calling event Procedures	1	15.9.22	1
	UNIT-III			1
1	Menus, Sub procedures and sub functions	1	19.9.22	1
2	Menus,	1	19.9.22	6
3	Common Dialog Boxes	1	20.9.22	4
4	Writing General Procedures	1	21.9.22	1
5	Multiple Forms: Standard Code Modules	1	22.9.22	1
6	Multiple Form Projects	1	22.9.22	1
7	Using Sub main for Start-up	1	22.9.22	1
8	Variables and Constants in Multiple	2	26.9.22	1
9	Form Projects	1	27.9.22	6
10	Programming Hints	1	27.9.22	6
	UNIT-IV			
1	List Boxes and Combo boxes	1	28.9.22 29.9.22	4
2	Do/Loop	1	6.10.22 7.10.22	1
3	For/Next Loop	1	10.10.22 11.10.22	1
4	Using Msgbox Function	1	12.10.22 13.10.22	4

5	Using String Functions	1	14.10.22 15.10.22	2, 4	
6	Arrays	1	17.10.22	1	
7	Control Arrays	2	18.10.22 19.10.22	6, 4	
8	Single Dimension Array	1	19.10.22	4	
9	For Each/Next Statements	1	21.10.22	3	
10	User defined data types	1	22.10.22	2	
11	Multidimensional Arrays	2	27.10.22 28.10.22	7, 4	
	UNIT-V				
1	Accessing Database Files	1	31.10.22	2	
2	Visual basic and Database Files	1	02-11-22	6	
3	Using Data Control	1	04.11.22	1	
4	Viewing a Database File:Design and Create the form	1	07.11.22	2	
5	Set the Properties for the Data Controls	1	09.11.22	6	
6	Set the properties for the Data bound Controls	1	11.11.22	1	
7	Writing the code	1	11.11.22	1	
8	Run the project	1	10.11.22	7	
9	Navigating the Database in Code	1	11.11.22	6	
10	Using list Boxes and Combo Boxes as Data	2	14.11.22 15.11.22	1, 4	
11	Bound Controls	1	15.11.22	1	

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

Name: GAYATHRI . R Subject: CORE PRACTICAL V - PROGRAMMING IN VB

Code: 19UCSP05 Year / Semester : III /V SEM

	Topics to be covered	Hours Planned	Date on which topic	Hour on which topic	Initial/ Remarks
	Construction of an Arithmetic Calculator (Simple)	4	06.9.22	1 – 4	
	Writing simple programs using loops and decision making statements.				
	a. Generate Fibonacci series.	2	20.9.22	1 – 4	
	b. Find the sum of N numbers.	2	20.9.22	1 – 4	
	c. To display the numbers/symbols in triangle format.	2	27.9.22	1 – 4	
	Write a program to create a menu and MDI Forms.	2	11.10.22	1 – 4	
	a. MDI Menu creation	3	11.10.22	1 – 4	
	Write a program to create a simple input screen with four basic controls to read input and write it to a file.	3	18.10.22	1 – 4	
	Write a program to display files in a directory using DriveListBox, DirListBox and FileListBox control	4	18.10.22	1 – 4	
	Write a program to illustrate Common Dialog Control and to open, edit and save text file	4	01.11.22	1 – 4	
	Write a program to develop windows based installation file with Student Registration form and Login form	4	01.11.22	1 – 4	
3	Develop a program to Insert, update a Record in database using ADO	4	08.11.22	1 – 4	
	a.Develop a program to delete a Record in database using ADO	2	15.11.22	1 – 4	
9	Write a program to implement Personal Information System using MDI	4	22.11.22	1 – 4	
	a.Standard ADODC controls and reports	2	22.11.22	1 – 4	
0	Write a program to implement animation using timers.	4	29.11.22	1 – 4	

ching Methods: Lecture using Board,computer, LCD & Discussion

FACULTY HEAD OF THE DEPARTMENT PRINCIPAL

M.G.R.COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Name: R. Gayathri
Code: **21UCSSP01**

Subject: OFFICE AUTOMATION LAB
Year / Semester: **II BSC(CS)"C"SEC / III**

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
MS WORD				
Text manipulation: write a paragraph about your institution and change the font size, and type spell check	2	25/8/22	3, 4	
Bio data: prepare a Bio data	2	1/9/22	3, 4	
Find and replace: write a paragraph about yourself and do the following.	2	8/9/22	3, 4	
Find and replace-use numbering bullets, footer and Header.	2	15/9/22	3, 4	
Table and manipulation: creation, insertion, deletion (columns and rows) create a mark sheet.	2	22/9/22	3, 4	
Mail merge: prepare an invitation to invite your friends to your birthday party. prepare at least five letters	2	29/9/22	3, 4	
MS EXCEL				
Data sorting-ascending and descending(both numbers &alphabets)	2	31/9/22	3, 4	
Mark list preparation for a student	2	6/10/22	3, 4	
Individual pay bill preparation	2	13/10/22	3, 4	
Invoice report preparation	2	20/10/22	3, 4	
Drawing graphs take your own table	2	27/10/22	3, 4	
MS POWER POINT				
Create a slide show presentation for a seminar	2	05/11/22	3, 4	
Prepare of organization charts	2	10/11/22	3, 4	
Create a slide show presentation to display percentage students	2	17/11/22	3, 4	
Use bar chart (X-axis: semester ,Y- axis %mark)	2	17/11/22	3, 4	
Use different presentation template	2	14/11/22	3, 4	

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
LESSON PLAN
ACADEMIC YEAR :2022-23

Faculty Name: **A PRITHA** Subject: **RDBMS**
Subject Code: **21UCS03** Year / Semester : **II B.SC/ III**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction	1	10/8/22	I	AP
2	Database System Applications	1	11/8/22	VI	AP
3	Purpose of Database Systems	1	11/8/22	VI	AP
4	View of data	1	17/8/22	I	AP
5	Database Languages	1	24/8/22	I	AP
6	Transaction Management	1	25/8/22	IV	AP
7	Database Architecture	1	26/8/22	IV	AP
8	DBA	1	5/9/22	II	AP
9	Structure of Relational Databases	1	7/9/22	I	AP
10	E-R Model	1	7/9/22	I	AP
11	Constraints	1	15/9/22	IV	AP
12	E-R Diagrams	1	17/9/22	I	AP
	UNIT-II				
1	Relational Algebra Operations	2	22/9/22	I, V	AP
2	The Tuple Relational Calculus	1	12/10/22	I	AP
3	Domain Relational Calculus	1	17/10/22	II	AP
4	SQL: Data Definition	1	20/10/22	IV	AP
5	Basic Structure of SQL Queries	2	21/10/22	IV, VI	AP
6	Set Operations	1	21/10/22	V	AP
7	Aggregate Functions	1	28/10/22	IV	AP
8	Null Values	1	1/11/22	II	AP
9	Nested Sub-Queries	1	2/11/22	I	AP
10	Views	1	3/11/22	IV	AP
11	Modification of the Database	2	4/11/22	IV, VII	AP

1	Data Normalization- Introduction	1	7/11/22
2	Pitfalls in Relational Database Design	2	7/11/22
3	Decomposition	1	8/11/22
4	Functional Dependencies	1	9/11/22
5	Normalization-1NF	1	9/11/22
6	Normalization-2NF	1	10/11/22
7	Normalization-3NF	1	10/11/22
8	Normalization -4NF	2	11/11/22
9	Normalization-5NF	1	11/11/22
10	Normalization- BCNF	1	14/11/22
11	Denormalization	1	14/11/22
12	Data Security Requirements	1	15/11/22
13	Protecting Data	1	15/11/22
14	Granting and Revoking Privileges	1	16/11/22
15	Data Encryption	1	16/11/22
	UNIT-IV		
1	PL/SQL-Introduction	1	17/11/22
2	PL/SQL-History	1	17/11/22
3	PL/SQL-Fundamentals	2	18/11/22
4	Block Structure	1	18/11/22
5	Comments	1	18/11/22
6	Data types	1	21/11/22
7	Other Data types	1	21/11/22
8	Assignment Operations	2	21/11/22
9	Bind	1	22/11/22
10	Substitution Variables	1	22/11/22
11	Printing	1	22/11/22
12	Arithmetic operators	1	23/11/22
13	Embedded SQL Control Structures	2	23/11/22
14	Nested Blocks	1	24/11/22
15	SQL IN PL/SQL	1	24/11/22

16	Data Manipulation	1	24/11/22	IV	
17	Transaction Control Statements.	1	25/11/22	IV	
18	PL/SQL Cursors	1	25/11/22	IV	
19	Exceptions.	1	26/11/22	IV	
20	Types of Exceptions	1	28/11/22	IV	
	UNIT-V				
1	PL/SQL Composite Datatypes	1	28/11/22	IV	
2	Records	1	29/11/22	IV	
3	Tables	1	29/11/22	IV	
4	V arrays	1	29/11/22	IV	
5	Named Blocks : Procedures	1	29/11/22	III	
6	Functions	1	29/11/22	III	
7	Packages	1	29/11/22	III	
8	Triggers	1	30/11/22	I	
9	Data Dictionary Views	1	30/11/22	I	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: **A PRITHA**
Subject Code: **21UCSP03**

Subject: **SQL and PL/SQL**
Year / Semester : **II BSC/III**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
1.	Start up and Create SQL query	3	23/8/22	5-7	AP
2	Data Definition of Base Tables.	3	13/9/22	5-7	AP
3	DDL with Primary key constraints	3	20/9/22	5-7	AP
4	DDL with constraints and verification by insert command	4	27/9/22	5-7	AP
5	Data Manipulation of Base Tables and Views.	3	11/10/22	5-7	AP
6	Demonstrate the Query commands.	3	18/10/22	5-7	AP
7.	PL/SQL commands	3	18/10/22	5-7	AP
8	PL/SQL code block an account number from the user and debit an amount	4	8/11/22	5-7	AP
9	PL/SQL code block to calculate the area of the circle for a value of radius varying from 3 to 7.	3	8/11/22	5-7	AP
10	PL/SQL block of code for reversing a number. (Example : 1234 as 4321)	3	8/11/22	5-7	AP
11	Create a transparent audit system for a table Client_master (client_no, name, address, Bal_due). The system must keep track of the records that are being deleted or updated.	4	8/11/22	5-7	AP

Teaching Methods: Lecture using Board, computer, LCD & Discussion

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

Faculty Name: A PRITHA
Subject Code: 19UCSS03

Subject: Multi Skill Development
Year / Semester : III B.Sc/ V SEM

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Communication: Question tag-	1	5/5/22	V	AP
2	Gerund and Infinitives-	1	11/5/22	V	AP
3	Spotting the errors	1	22/5/22	V	AP
4	Vocabulary	1	15/9/22	I	AP
5	Synonyms - Antonyms	1	19/9/22	I	AP
6	Prepositions	1	21/9/22	V	AP
7	Articles - One word substitution - Sentence completion	1	22/9/22	II	AP
	UNIT-II				
1	Numerical Aptitude : Problems on numbers.	1	22/9/22	I	AP
2	Problems on Ages	1	26/9/22	V	AP
3	Percentage - Profit and loss	1	28/9/22	V	AP
4	Ratio & Proportion	1	29/9/22	II	AP
5	Time & Work - Time & Distance	1	30/9/22	V	AP
6	Simple Interest - Compound Interest	1	6/10/22	V	AP
	UNIT-III				
1	Critical Reasoning: Logical Inference Questions and Syllogism.	1	6/10/22	V	AP
2	Analytical Reasoning: Arrangement problems	1	6/10/22	II	AP
3	Family / Blood Relation Qualms	1	7/10/22	I	AP
4	Sense of Directions - Age Doubts	1	10/10/22	V	AP
5	Verbal Reasoning	1	12/10/22	V	AP
6	Verbal Analogy: Letter series	1	13/10/22	II	AP
7	number series - Coding and Decoding	1	14/10/22	I	AP
	UNIT-IV				

1	Self Introduction	1	17/06/22	V
2	Soft Skills	1	19/06/22	V
3	Interpersonal Skills	1	20/06/22	V
4	Employability Skills	1	21/06/22	V
5	Soft Skills Training	1	27/06/22	V
6	Resume Preparation	1	28/06/22	V
7	Interview Tips and Questions	1	31/06/22	V
	UNIT-V			
1	Group Discussion	1	2/11/22	V
2	Importance	1	3/11/22	V
3	Types of GD	1	4/11/22	V
4	GD Skills	1	9/11/22	V
5	GD Etiquette	1	11/11/22	V
6	Essential Elements of a GD	1	16/11/22	V
7	Movements and Gestures to be avoided in a GD	1	23/11/22	V

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PR**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
LESSON PLAN
ACADEMIC YEAR :2022-23

Faculty Name: **A PRITHA** Subject: **Digital Image Processing**
Subject Code: 21PCS09 Year / Semester : **II M.Sc / III**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction	1	10/8/22	III	AP
2	Image Sensing and Acquisition	1	10/8/22	III	AP
3	Image Sampling and Quantization	1	16/8/22	I	AP
4	Relationship Between Pixels	1	16/8/22	I	AP
5	Random Noise	1	17/8/22	III	AP
6	Gaussian Markov Random Field	1	17/8/22	III	AP
7	Sigma-Field	1	17/8/22	VII	AP
8	Linear Operations	1	17/8/22	VII	AP
9	Non-linear Operations	1	18/8/22	VI	AP
10	Image Processing Models- Casual Models	1	18/8/22	VI	AP
11	Semi-casual Models	1	19/9/22	VI	AP
12	Non-casual Models	1	19/9/22	VI	AP
13	Color Fundamentals: Models	1	20/9/22	III	AP
14	Pseudo-color Image processing	1	20/9/22	III	AP
15	Color Transformation	1	20/9/22	IV	AP
16	Noise in Color Images	1	20/9/22	IV	AP
	UNIT-II				
1	Spatial Domain: Enhancement	1	22/9/22	VI	AP
2	Point processing	1	22/9/22	VI	AP
3	Mask Processing	1	22/9/22	VI	AP
4	Smoothing Spatial Filters	1	26/9/22	VI	AP
5	Sharpening Spatial Filters	1	26/9/22	VI	AP
6	Combining Spatial Enhancement Methods	1	27/9/22	I	AP
7	Frequency Domain-Intro	1	27/9/22	I	AP
8	Image Transform	1	27/9/22	IV	AP
9	FFT Transform	1	27/9/22	IV	AP

10	DCT Transform	1	28/9/22	III	
11	Karhunen-Loeve Transform	1	28/9/22	III	
12	Hotlling T2 Transform	1	6/10/22	VI	
13	Wavelet Transforms	1	6/10/22	VI	
14	Wavelet Transforms properties	1	6/10/22	VI	
15	Image Filtering	1	6/10/22	VI	
	UNIT-III				
1	Edge Detection	1	10/10/22	I	
2	Types of Edges	1	10/10/22	I	
3	Threshold	1	10/10/22	I	
4	Gradient Operators-Introduction	1	12/10/22	III	
5	Robert Operators	1	12/10/22	III	
6	Prewitt Operators	1	12/10/22	III	
7	Sobel Operators	1	13/10/22	VI	
8	Residual analysis based Technique	1	13/10/22	VI	
10	Canny Edge detection	2	17/10/22	VI, VII	
11	Edge Features	1	17/10/22	VII	
12	Edge Applications	2	17/10/22	VI, VI	
	UNIT-IV				
1	Image Compression :Fundamentals	1	18/10/22	I	
2	Image Compression Models	1	18/10/22	I	
3	Residual analysis based Technique	1	20/10/22	VI	
4	Residual analysis based Methods	1	20/10/22	VI	
5	Elements of Information Theory	1	26/10/22	III	
6	Error Free Compression – Introduction	1	26/10/22	III	
7	Huffman & Arithmetic Coding	1	26/10/22	VI	
8	Wavelet Transform Based Coding	1	26/10/22	VI	
9	Lossy compression: Fundamentals	1	27/10/22	VI	
10	FFT	1	27/10/22	VI	
11	DCT , KLT	1	28/10/22	I	
12	DPCM	1	28/10/22	I	
13	MRFM based	1	31/10/22	VI	
14	Wavelet Transform based	1	31/10/22	VI	
15	Image Compression standards	1	1/11/22	VI	

UNIT-V					
1	Image Segmentation: Introduction	1	3/11/22	VI	AP
2	Detection	1	4/11/22	VI	AP
3	Discontinuities	1	7/11/22	I	AP
4	Edge linking	1	8/11/22	II	AP
5	Boundary Detection	1	9/11/22	III	AP
6	Threshold	1	10/11/22	VI	AP
7	Region Based Segmentation	1	15/11/22	II	AP
8	Morphological watersheds	1	16/11/22	III	AP
9	Use of Motion in Segmentation	1	17/11/22	VI	AP
10	Segmentation based on Color	1	18/11/22	VI	AP
11	Morphological Image Processing	1	21/11/22	VI	AP
12	Erosion & Dilation	1	22/11/22	I	AP
13	Opening and Closing	1	23/11/22	III	AP
14	Hit – Or–Miss Transformation	1	24/11/22	VI	AP
15	Basic Morphological Algorithms, Gray-Scale Morphology	1	28/11/22	VI	AP

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Name: **A PRITHA** Subject: **Lab – IV DIGITAL IMAGE PROCESSING LAB**

Code: 21PCSP05 Year / Semester : **II /III SEM**

Topics to be covered	Hours Planned	Date on which topic	Hour on which	Initial/ Remark
Choose two grayscale images or RGB images that you will first have to grayscale (with rgb2gray() function) .	4	19/9/22	1-4	AP
1.Display original images and the same images after their QUANTIZATION with different number of bits (1 to 8)	4	11/10/22	1-4	AP
Perform Histogram Equalization on a Color image using MATLAB.	4	18/10/22	1-4	AP
Using Spatial Domain technique, write a program in MATLAB to perform Smoothening operation in an image.	4	1/11/22	1-4	AP
Write a MATLAB code to transform 1-D FIR Filter to 2-D FIR Filter using Frequency Transformation Method. (FIR-Finite Impulse Response).	4	1/11/22	1-4	AP
Find the Boundaries of Objects within an image by Sobel operator method in MATLAB	4	8/11/22	1-4	AP
Write a MATLAB program to detect the edges within the image of both Canny and Prewitt Methods.	4	8/11/22	1-4	AP
a.Write a MATLAB program compare the results of both Canny and Prewitt Methods.	4	8/11/22	1-4	AP
Write a program to Compress an image using Huffman coding method in MATLAB.	4	15/11/22	1-4	AP
Implement Discrete Cosine Transformation method to compress an image using MATLAB.	4	15/11/22	1-4	AP
Write a MATLAB code for Image Segmentation to convert to a binary image to improve the legibility of text Using thresholding technique.	4	22/11/22	1-4	AP
Compute the Watershed Transform of the Segmentation function in an image at foreground and background marker pixels using Marker-Controlled Watershed Segmentation in MATLAB.	4	22/11/22	1-4	AP

hing Methods: Lecture using Board,computer, LCD & Discussion

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
LESSON PLAN
ACADEMIC YEAR :2022-23

aculty Name: **T.S MOHAN** Subject: **RDBMS**
ubject Code: **21UCS03** Year / Semester : **II- B.SC/ III** sem 'c'

OURSE: B.Sc. COMPUTER SCIENCE

.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction	1	4/8/22	II	TSM
2	Database System Applications	1	5/8/22	1	TSM
3	Purpose of Database Systems	1	5/8/22	1	TSM
4	View of data	1	5/8/22	7	TSM
5	Database Languages	1	8/8/22	4	TSM
6	Transaction Management	1	11/8/22	2	TSM
7	Database Architecture	1	12/8/22	1	TSM
8	DBA	1	12/8/22	2	TSM
9	Structure of Relational Databases	1	16/8/22	1	TSM
10	E-R Model	1	16/8/22	5	TSM
11	Constraints	1	18/8/22	2	TSM
12	E-R Diagrams	1	22/8/22	4	TSM
	UNIT-II				
1	Relational Algebra Operations	2	23/8/22	1	TSM
2	The Tuple Relational Calculus	1	23/8/22	5	TSM
3	Domain Relational Calculus	1	23/8/22	5	TSM
4	SQL: Data Definition	1	26/8/22	1	TSM
5	Basic Structure of SQL Queries	2	29/8/22	4	TSM
6	Set Operations	1	30/8/22	1	TSM
7	Aggregate Functions	1	30/8/22	5	TSM
8	Null Values	1	1/9/22	2	TSM
9	Nested Sub-Queries	1	2/9/22	1	TSM
10	Views	1	2/9/22	7	TSM

M.G.R. COLLEGE HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
LESSON PLAN
ACADEMIC YEAR :2022-23

:ulty Name: **T.S MOHAN** Subject: **RDBMS**
bject Code: **21UCS03** Year / Semester : **II- B.SC/ III sem 'C'**

URSE: B.Sc. COMPUTER SCIENCE

No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction	1	4/8/22	2	
2	Database System Applications	1	5/8/22	1	
3	Purpose of Database Systems	1	5/8/22	1	
4	View of data	1	5/8/22	7	
5	Database Languages	1	8/8/22	4	
6	Transaction Management	1	11/8/22	2	
7	Database Architecture	1	12/8/22	1	
8	DBA	1	12/8/22	2	
9	Structure of Relational Databases	1	16/8/22	1	
10	E-R Model	1	16/8/22	5	
11	Constraints	1	18/8/22	2	
12	E-R Diagrams	1	22/8/22	4	
	UNIT-II				
1	Relational Algebra Operations	2	23/8/22	1	
2	The Tuple Relational Calculus	1	23/8/22	5	
3	Domain Relational Calculus	1	23/8/22	5	
4	SQL: Data Definition	1	26/8/22	1	
5	Basic Structure of SQL Queries	2	29/8/22	4	
6	Set Operations	1	30/8/22	1	
7	Aggregate Functions	1	31/8/22	5	
8	Null Values	1	1/9/22	2	
9	Nested Sub-Queries	1	2/9/22	1	
10	Views	1	2/9/22	7	

11	Modification of the Database	2	5/9/22	4, 1	
	UNIT-III				
1	Data Normalization- Introduction	1	6/9/22	5	
2	Pitfalls in Relational Database Design	2	9/9/22	1	
3	Decomposition	1	9/9/22	7	
4	Functional Dependencies	1	13/9/22	1,	
5	Normalization-1NF	1	15/9/22	2	
6	Normalization-2NF	1	16/9/22	7	
7	Normalization-3NF	1	17/9/22	5	
8	Normalization -4NF	2	17/9/22	5, 7	
9	Normalization-5NF	1	19/9/22	4	
10	Normalization- BCNF	1	21/9/22	1, 4	
11	Denormalization	1	22/9/22	2	
12	Data Security Requirements	1	23/9/22	1	
13	Protecting Data	1	26/9/22	4	
14	Granting and Revoking Privileges	1	26/9/22	5	
15	Data Encryption	1	29/9/22	2	
	UNIT-IV				
1	PL/SQL-Introduction	1	10/10/22	4	
2	PL/SQL-History	1	10/10/22	5	
3	PL/SQL-Fundamentals	2	11/10/22	1	
4	Block Structure	1	14/10/22	1	
5	Comments	1	17/10/22	4	
6	Data types	1	18/10/22	2	
7	Other Data types	1	20/10/22	2	
8	Assignment Operations	2	21/10/22	4, 7	
9	Bind	1	27/10/22	2	
10	Substitution Variables	1	28/10/22	1, 7	
11	Printing	1	31/10/22	4	
12	Arithmetic operators	1	1/11/22	1	
13	Embedded SQL Control Structures	2	3/11/22	2, 6	
14	Nested Blocks	1	4/11/22	1	

15	SQL IN PL/SQL	1	7/11/22	2	
16	Data Manipulation	1	8/11/22	5	
17	Transaction Control Statements,	1	10/11/22	2	
18	PL/SQL Cursors	1	11/11/22	1	
19	Exceptions,	1	14/11/22	4	
20	Types of Exceptions	1	15/11/22	3	
	UNIT-V				
1	PL/SQL Composite Databytes	1	17/11/22	2	
2	Records	1	18/11/22	1	
3	Tables	1	21/11/22	4	
4	V arrays	1	22/11/22	1	
5	Named Blocks : Procedures	1	24/11/22	2	
6	Functions	1	28/11/22	7	
7	Packages	1	29/11/22	5	
8	Triggers	1	1/12/22	2	
9	Data Dictionary Views	1	2/12/22	7	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE, HOSUR-635130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

Faculty Name: **T.S. MOHAN**
Subject Code: **21UCSP03**
COURSE: B.Sc. COMPUTER SCIENCE

Subject: **SQL and PL/SQL LAB**
Year / Semester : **II BSC CS / III sem**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
1.	Start up and Create SQL query	3	10/8/22	5.6,7	TSM
2	Data Definition of Base Tables.	3	10/8/22	5,6,7	TSM
3	DDL with Primary key constraints	3	17/8/22	5,6,7	TSM
4	DDL with constraints and verification by insert command	4	7/9/22	5,6,7	TSM
5	Data Manipulation of Base Tables and Views.	3	14/9/22	5,6,7	TSM
6	Demonstrate the Query commands.	3	28/9/22	5,6,7	TSM
7.	PL/SQL commands	3	28/9/22	5,6,7	TSM
8	PL/SQL code block an account number from the user and debit an amount	4	12/10/22	5,6,7	TSM
9	PL/SQL code block to calculate the area of the circle for a value of radius varying from 3 to 7.	3	26/10/22	5,6,7	TSM
10	PL/SQL block of code for reversing a number. (Example : 1234 as 4321)	3	9/11/22	5,6,7	TSM
11	Create a transparent audit system for a table Client_master (client_no, name, address, Bal_due). The system must keep track of the records that are being deleted or updated.	4	16/11/22	5,6,7	TSM

Teaching Methods: Lecture using Board, computer, LCD & Discussion

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR : 2022-2023

Faculty Name: T.S.MOHAN
Subject Code: 19UCS503
Course: B.Sc. Computer Science

Subject: **Multi Skill Development**
Year / Semester : **III-B.SC 5th SEM – 'A'**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Communication: Question tag-	1	5/8/22	4	
2	Gerund and Infinitives-	1	8/8/22	5	
3	Spotting the errors	1	10/8/22	3	
4	Vocabulary-	1	11/8/22	3	
5	Synonyms - Antonyms	1	12/8/22	4	
6	Prepositions	1	12/8/22	7	
7	Articles - One word substitution - Sentence completion	1	17/8/22	3	
	UNIT-II				
1	Numerical Aptitude : Problems on numbers.	1	18/8/22	3	
2	Problems on Ages	1	22/8/22	5	
3	Percentage - Profit and loss	1	22/8/22	5	
4	Ratio & Proportion	1	26/8/22	4	
5	Time & Work - Time & Distance	1	29/8/22	5	
6	Simple Interest - Compound Interest	1	1/9/22	3	
	UNIT-III				
1	Critical Reasoning: Logical Inference Questions and Syllogism.	1	2/9/22	4	
2	Analytical Reasoning: Arrangement problems	1	5/9/22	5	
3	Family / Blood Relation Qualms	1	7/9/22	1	
4	Sense of Directions - Age Doubts	1	7/9/22	3	
5	Verbal Reasoning	1	8/9/22	3	
6	Verbal Analogy: Letter series	1	9/9/22	3	
7	number series - Coding and Decoding	1	9/9/22	7	

	UNIT-IV				
1	Self Introduction	1	20/10/22	3	
2	Soft Skills	1	26/10/22	3	
3	Interpersonal Skills	1	2/11/22	3	
4	Employability Skills	1	4/11/22	4	
5	Soft Skills Training	1	7/11/22	5	
6	Resume Preparation	1	8/11/22	2	
7	Interview Tips and Questions	1	11/11/22	4	
	UNIT-V				
1	Group Discussion	1	14/11/22	5	
2	Importance	1	16/11/22	3	
3	Types of GD	1	17/11/22	3	
4	GD Skills	1	18/11/22	4	
5	GD Etiquette	1	21/11/22	5	
6	Essential Elements of a GD	1	30/11/22	3	
7	Movements and Gestures to be avoided in a GD	1	1/12/22	3	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: **T.S. MOHAN** Subject: **Big Data Analytics**
Subject Code: 21PCS10 Year / Semester : **II-M.SC 3rd SEM**
COURSE M.SC COMPUTER SCIENCE

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I Introduction to Big Data Analytics				
1	Big Data Overview - Data Structures	1	10/8/22	1	TSM
2	Analyst Perspective on Data Repositories	1	10/8/22	4	TSM
3	State of the Practice in Analytics	1	16/8/22	2	TSM
4	BI Versus Data Science	1	17/8/22	3	TSM
5	Current Analytical Architecture	2	18/8/22	3, 6	TSM
6	Drivers of Big Data	2	19/9/22	3,7	TSM
7	Big Data Ecosystem	1	21/9/22	7	TSM
8	Data Analytics Lifecycle	2	22/9/22	4, 7	TSM
9	Data Discovery- Data Preparation	1	23/9/22	3	TSM
10	Model Planning- Model Building	1	24/9/22	7	TSM
11	Communicate Results- Operationalize	1	25/9/22	3	TSM
	UNIT-II Introduction to R programming				
1	R Graphical User Interfaces - Data Import and Export	1	27/9/22	2	TSM
3	Attribute and Data Types	1	28/9/22	4	TSM
4	Descriptive Statistics Exploratory Data Analysis : Visualization Before Analysis	2	29/9/22 28/9/22	1 2	TSM
5	Dirty Data - Visualizing a Single Variable	1	10/10/22	3	TSM
7	Examining Multiple Variables Data Exploration Versus Presentation	2	10/10/22 11/10/22	7 4	TSM
8	Statistical Methods of Evaluation : Hypothesis Testing	2	11/10/22 17/10/22	7 3	TSM
9	Difference of Means	1	17/10/22	6	TSM
10	Wilcoxon RankSum Test - Type I and Type II Errors	2	20/10/22	7	TSM
12	Power and Sample Size - ANOVA	1	21/10/22	2	TSM
	UNIT-III- Advanced Analytical Theory and Methods				
1	Clustering - K Means	1	26/10/22	1	TSM

2	Use Cases - Overview	1	26/10/22	1	
3	Determining number of clusters	1	27/10/22	7	
4	Diagnostics	1	28/10/22	3	
5	Reasons to choose and cautions	1	28/10/22	6	
6	Additional Algorithms	1	2/11/22	3	
7	Association Rules : A Priori Algorithm	1	2/11/22	7	
8	Evaluation of Candidate Rules	1	4/11/22	3	
9	Applications of Association Rules	1	4/11/22	6	
10	Validation and Testing	1	9/11/22	2	
11	Diagnostics	1	9/11/22	7	
12	Regression: Linear Regression and Logistic Regression: – Use cases	2	11/11/22	2,7	
13	Model Description - Diagnostics	1	11/11/22	3	
14	Additional Regression Models.	1	15/11/22	2	

UNIT-IV Classification

1	Decision Trees - Overview	1	15/11/22	6	
2	Genetic Algorithm - Decision Tree Algorithms	1	17/11/22	1	
3	Evaluating Decision Tree - Decision Trees in R	1	17/11/22	4	
4	Naive Bayes – Bayes Theorem	1	17/11/22	7	
5	Naïve Bayes Classifier - Smoothing	1	18/11/22	2	
6	Naïve Bayes in R – Diagnostics	1	18/11/22	2	
7	Diagnostics of Classifiers - Additional Classification Methods	1	18/11/22	7	
8		1	8/11/22	7	
9	Time Series Analysis : Overview – Box – Jenkins Methodology	1	21/11/22	4	
10	ARIMA Model – ARMA and ARIMA Models	1	21/11/22	4	
11	Auto correlation Function - Auto regressive Models	1	21/11/22	7	
12	Moving Average Models	1	22/11/22	3	
13	Building and Evaluating and ARIMA Model	1	22/11/22	3	
14	Text Analysis : Text Analysis Steps – Example	1	22/11/22	7	
15	Collecting – Representing Term Frequency	1	24/11/22	3	
16	Categorizing – Determining Sentiments - Gaining Insights.	1	24/11/22	3	

UNIT-V- Advanced Analytics-Technology and Tools					
1	Map Reduce and Hadoop: Analytics for Unstructured Data	1	24/11/22	4	
2	UseCases – MapReduce	1	24/11/22	7	
3	Apache Hadoop - The Hadoop Ecosystem	1	28/11/22	3	
4	pig – Hive – Hbase – Manout – NoSQL	1	28/11/22	3	
5	Tools in Database Analytics : SQL Essentials.	1	28/11/22	7	
6	Joins – Set operations	1	28/11/22	7	
7	Grouping Extensions – In Database Text Analysis	1	29/11/22	2	
8	Advanced SQL - Windows Functions	1	29/11/22	2	
9	User Defined Functions and Aggregates – Model details – Recommendations –Data Visualization	1	29/11/22	6	
10	ordered aggregates MADiib	1	29/11/22	6	
11	Analytics Reports Consolidation – Communicating and operationalizing and Analytics Project	1	1/12/22	2	
12	The Final Deliverables : Developing Core Material for Multiple Audiences	1	1/12/22	2	
13	Creating– Project Goals	1	1/12/22	6	
14	Main Findings – Approach Model Description	1	2/12/22	3	
15	Key points support with Data - Model details	1	2/12/22	3	
16	Recommendations –Data Visualization	1	2/12/22	7	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

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PRINCIPAL

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: **NAZIRULLAH.S** Subject: **DESIGN AND ANALYSIS OF ALGORITHMS**
Subject Code: **21PCS01** Year / Semester : **I - M.Sc.(CS) - 1st SEM**

S.No.	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Algorithm definition	1	17/10/22	III	
2	Algorithm specification	1	17/10/22	III	
3	Performance analysis	1	19/10/22	III	
4	Pseudocode conventions	1	19/10/22	VII	
5	Recursive algorithms	1	20/10/22	I	
6	Performance analysis	1	20/10/22	VII	
7	Time and space complexity	1	21/10/22	II	
8	Asymptotic notations	1	26/10/22	IV	
9	Elementary data structures	1	26/10/22	IV	
10	Stacks and queues	1	27/10/22	I	
11	Trees	1	28/10/22	III	
12	Dictionaries	1	28/10/22	III	
13	Priority queues	1	31/10/22	III	
14	Sets and disjoint set union	1	02/11/22	IV	
15	Graphs	1	02/11/22	IV	
	UNIT-II				
1	Divide and conquer	1	03/11/22	VI	
2	The general method	1	03/11/22	VI	
3	Defective chessboard	1	04/11/22	III	
4	Binary Search	1	04/11/22	III	
5	Finding the maximum and minimum	1	07/11/22	III	
6	Merge sort	2	07/11/22	III	
7	Quick sort	2	09/11/22	I	
8	Performance measurement	1	09/11/22	I	

12	Implementation of select2	1		
13	Strassen's matrix multiplication	1		
	UNIT-III			
1	The greedy method	2		
2	General method	1		
3	Container loading	1		
4	Knapsack problem	1		
5	Tree vertex splitting	1		
6	Job sequencing with deadlines	1		
7	Minimum cost spanning trees	2		
8	Prim's algorithm	1		
9	Kruskal's algorithm	1		
10	An optimal randomized algorithm	1		
11	Optimal storage on tapes	1		
12	Optimal merge patterns	1		
13	Single source shortest paths	1		
	UNIT-IV			
1	Dynamic programming	2		
2	The general method	1		
3	Multistage graphs	1		
4	All pairs shortest paths	1		
5	Single source shortest paths	1		
6	General weights	1		
7	Optimal binary search trees	1		
8	String editing	1		
9	0/1 knapsack	1		
10	Reliability design	1		
11	The travelling salesperson problem	2		
12	Flow shop scheduling	1		

13	Techniques for binary trees	1	03/12/22	IV	
14	Techniques for graphs	1	03/12/22	IV	
15	Connected components and spanning trees, Bi-connected components and DFS	1	16/12/22	I	
UNIT-V					
1	Backtracking	1	16/12/22	I	
2	The general method	1	16/12/22	VI	
3	8 queens problem	2	16/12/22	VI	
4	Sum of subsets	1	17/12/22	I	
5	Graph coloring	1	17/12/22	I	
6	Hamiltonian cyles	2	20/12/22	III	
7	Knapsack problem	1	20/12/22	IV	
8	Branch and bound	2	22/12/22	VI	
9	Least cost search	1	22/12/22	VII	
10	0/1 knapsack problem	1	23/12/22	I	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: **NAZIRULLAH S**
Subject Code: **21UCS01**

Subject:**problem Solving Through C**
Year / Semester :**I B.Sc(CS) / I SEM**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Overview of Computers and Programming Introduction,Electronic Computers Then and Now	1	08/08/22	I	
2	Computer Hardware Anatomy of Memory,	2	09/08/22	VII	
	Main memory Secondary memory, Input/Output Devices	1	10/08/22	VI	
3	Computer Software, Operating System	2	11/08/22	IV	
4	Application Software, Computer Languages	1	12/0822	I	
5	Applying the Software Development MethodCASE STUDY Converting Miles to Kilometers	2	13/08/22	IV	
6	Professional Ethics for Computer Programmers	1	16/08/22	VII	
7	Privacy and Misuse of Data, Computer Hacking	1	17/08/22	VII	
8	Fundamental Of C History of C, Importance of C, Sample Program	2	18/08/22	IV	
9	Constants, Variables and Data Types Character Set, Keywords and Identifiers, Data types	2	19/08/22	I	
10	Operators and Expression Arithmetic Operators	2	20/08/22	IV	
11	, Relational, Logical, Special Operators	1	22/08/22	I	
12	Evaluation of Expression Precedence of Arithmetic Operators	2	23/08/22	VII	
13	Mathematical Functions	2	24/08/22	VII	
14	Formatted Input and Output	2	25/08/22	IV	
	UNIT-II				
1	Decision Making IF….Else Statement, Switch,	2	26/08/22	I	
2	Break, Continue, The GO TO Statement	1	27/08/22	IV	

3	Loop Control Statement Introduction, WHILE, DO, FOR Loops	2	29/08/22	I
4	Arrays Introduction, Declaration and Initialization , sample program	2	30/08/22	II
5	One Dimensional Array Declaration and Initialization, Example Program	2	30/08/22	IV
6	Two Dimensional Arrays Declaration and Initialization, Example Program	2	01/09/22	IV
7	Multidimensional Arrays Dynamic Arrays, More about Arrays	1	02/09/22	I
	UNIT-III			
1	Character String Handling Declaring and Initializing String Variables,	2	03/09/22	IV
2	Reading String from Terminal, Writing String to Screen	1	10/09/22	IV
3	String handling Function User Define Function, Need for User Define Function	2	12/09/22	I
4	Types of Function Argument but no Return Value, Argument With Return Value, No Argument but a Return Value,	2	17/09/22	IV
5	Nesting of Functions	1	19/09/22	I
6	Recursion Passing Arrays To Function, Passing Strings To Function	2	23/09/22	I
7	The Scope and Visibility and Life time of a Variables	1	24/09/22	IV
	UNIT-IV			
1	Structures Introduction, Definition,Structure Initialization,	2	26/09/22	VII
2	Comparison of Structure variables	1	30/09/22	I
3	Comparison of Structure variables	1	06/10/22	IV
4	Array of Structures Array With in Structure, Structure with in Structure	2	07/10/22	I
5	Unions in C Understanding union	2	14/10/22	I
6	Pointers Understanding Pointers, Accessing the Address of a Variables,	2	21/10/22	I
7	Declaring and Initializing Pointer Variables	1	27/10/22	IV

8	Accessing a Variable through its Pointer Chain of Pointer, Pointer Expression	2	05/11/22	IV	
9	Pointers and Arrays	1	10/11/22	VI	
10	Pointers and Character String	2	18/11/22	I	
11	Pointers and Functions and Structures	1	21/11/22	III	
	UNIT-V				
1	File Management in C Defining and Opening a File, Closing a File	2	24/11/22	IV	
2	I/O Operations on File	1	26/11/22	IV	
3	Error Handling During I/O Operations	2	29/11/22	II	
4	Random Access to Files	2	30/11/22	VI	
5	Command line Argument	2	01/12/22	IV	
6	Preprocessors	1	02/12/22	I	

Teaching Methods: Lecture using Board, LCD ,Discussion & Computer

FACULTY HEAD OF THE DEPARTMENT PRINCIPAL

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

y Name: **NAZIRULLAH S** Subject:- **C-PROGRAMMING**

ct Code: **21UCSP01** Year / Semester : **I /I SEM**

o	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	a) C program to find largest of 3 numbers b) C Program to construct Pyramid c) C Program to perform arithmetic operations	4	16/08/22	I to IV	
	C program to print prime numbers within the range of integers given. .	4	23/08/22	I - IV	
	C Program to find the sum and average of given N numbers	4	06/09/22	I - IV	
	C Program using all decision making and looping statements.	4	20/09/22	I - IV	
5	C Program to arrange the given numbers in ascending /descending order	4	27/09/22	I - IV	
6	Develop a C Program to perform matrix multiplication.	4	11/10/22	I - IV	
7	C Program to manipulate string functions.	4	18/10/22	I - IV	
8	Develop a C Program to find the Fibonacci series for a give number using recursive	4	01/11/22	I - IV	
9	C Program to show Call by Value and Call by Reference.	4	08/11/22	I - IV	
10	Develop a C program to swap two numbers using pointers	4	22/11/22	I - IV	
11	Develop a C Program to update the student's details using various file modes.	4	29/11/22	I - IV	
12	Develop a C Program to copy the content of one file to another file.	4	17/12/22	I - IV	

ching Methods: Lecture using Board,computer, LCD & Discussion

CULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: **NAZIRULLAH.S**
Subject Code: **17PCSP02**

Subject: **ALGORITHMS USING C++**
Year / Semester : **I - M.Sc.(CS) - 1st SEM**

S.No.	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
1	Perform Insertion sort and Quick sort	4	18/10/22	I - IV	
2	Apply divide and conquer technique for arranging set of numbers using merge sort method	4	18/10/22	I - IV	
3	Perform Strassen's matrix multiplication using divide and conquer method	4	21/10/22	I - IV	
4	Solve knapsack problem using dynamic programming	4	28/10/22	I - IV	
5	Construct minimum spanning tree using greedy method	4	01/11/22	I - IV	
6	Perform warshall's algorithm using dynamic programming	4	08/11/22	I - IV	
7	Solve dijistra's algorithm using greedy technique	4	08/11/22	I - IV	
8	Solve subset sum problem using backtracking	4	15/11/22	I - IV	
9	Implement the 4 queens problem using backtracking	4	22/11/22	I - IV	
10	Implement the 8 queens problem using backtracking	4	25/11/22	I - IV	
11	Implement knapsack problem using backtracking	4	29/11/22	I - IV	
12	Find the solution of travelling salesperson problem using branch and bound technique	4	02/12/22	I - IV	

Teaching Methods: Lecture using Board, Computer, LCD & Discussion

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. College, Hosur - 635130
Department of Computer Science
Lesson Plan
Academic Year : 2022-2023

lty Name: Nazirullah.S / Sathya N **Subject: Software Development in VP**
ect Code: 17UCC12 **Year / Semester: III B.Com CA 'C' / V**
rse: B.Com CA

	Topic to be Covered	Hours Planed	Date on which topic Covered	Hours on which topic Covered	Initial/ Remarked
	Introduction to Visual Basic	1	09/08/22	VI	
	Getting Started	1	09/08/22	VII	
	Working with VB	2	11/08/22	III	
	The initial VB Screen	1	16/08/22	VI	
	The SDI Environment	1	18/08/22	III	
	Tool Bar	1	23/08/22	VI	
	Tool Box	1	25/08/22	IV	
	Custom control and Component	1	30/08/22	VI	
	The Property Window	1	01/09/22	IV	
	Common Form Property	1	06/09/22	VI	
	Scale and Color Property		08/09/22	III	
	Unit - 2				
	Building the User Interface	2	13/09/22	VI	
	Tool Box	1	15/09/22	IV	
	Creating Controls	1	20/09/22	VI	
4	Name Property	1	22/09/22	IV	
5	Property of Command Button	1	24/09/22	I	
6	Image Control	1	27/09/22	VI	
7	Text Box and Labels	1	29/09/22	IV	
8	Message Box	1	06/10/22	IV	
9	Grid	1	11/10/22	VI	
10	Anatomy of VB Application	1	13/10/22	IV	

11	The Code Window	1	18/10/22	VI
12	Statement in VB	1	20/10/22	IV
13	Variables and Data Types	1	22/10/22	I
14	Working with variables	1	26/10/22	VI
15	Constant in Input Variables	1	29/10/22	I
	Unit - 3			
1	Display Information on a Form	1	02/11/22	VI
2	The Format Function	2	03/11/22	IV
3	Picture Box	1	08/11/22	VI
4	Rich Text Box	1	10/11/22	III
5	The Printer Object	1	15/11/22	VI
6	Determinate Loop	1	17/11/22	IV
7	Indeterminate Loop	1	22/11/22	VI
8	Making Decision	1	09/08/22	I
9	Select Case	1	11/08/22	VII
10	Nested If, Then, The Go To String Function	1	16/08/22	VII
11	Numeric function	1	18/08/22	IV
12	Date and Time Functions	1	23/08/22	I
13	Financial Function	1	25/08/22	IV
	Unit - 4			
1	Function Procedure	2	30/08/22	VII
2	Sub Procedure	1	01/09/22	VI
3	Advance Case of Procedure and Function	1	06/09/22	VII
4	List: One Dimensional Array	1	08/09/22	VI
5	Array with More then One Dimensional Arry	1	13/09/22	I
6	Using List and Array with Function and Procedure	1	24/09/22	III
7	The With Statement	1	29/09/22	VII
8	Enums	1	06/10/22	VI
9	Control Array	1	11/10/22	I
10	List and Combo Boxes	1	18/10/22	I

1	Menus and Menu Editor	1	20/10/22	VII	
2	MDI Forms	1	29/10/22	IV	
	Unit - 5				
	Introduction to DB	1	02/11/22	I	
	Working with Data Controls: Data Control	1	02/11/22	VII	
	Bound Control	1	03/11/22	IV	
	Coding	1	08/11/22	VIII	
	Data Access Object(DAO): Function of the Jet DB Object	1	10/11/22	I	
	DAO Object Model	1	15/11/22	I	
	Crystal and Data Reports: Crystal Report	1	15/11/22	VII	
	Data Report	1	17/11/22	I	
	Creating Multiple Reports	1	22/11/22	II	

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

CULTY

HEAD OF THE DEPARTMENT

PRINCIPAL

M.G.R.COLLEGE HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Faculty Name: M.KARTHIKEYAN
Subject Code: 19UCS06
Course: B.Sc 'A'

Subject : GUI Programming
Year / Semester : III / V

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction to Visual Basic	1	8/8/22	4	
2	Programming Language	1	10/8/22	2	
3	Procedural	1	11/8/22	5	
4	Object Oriented	1	12/8/22	2	
5	Event Driven	1	16/8/22	1	
6	Writing VB Projects: The Three-Step Process	1	16/8/22	5	
7	Visual Basic Projects	1	16/8/22	5	
8	VB Environments	1	17/8/22	2	
9	Writing First Project: Basic Projects	1	18/8/22	5	
10	Sample Printout	1	22/8/22	6	
11	Finding and Fixing Errors: Compile Errors	2	23/8/22	1, 5	
12	Runtime Errors	1	24/8/22	2	
13	Logic Errors	1	25/8/22	3	
14	Project Debugging	1	25/8/22	5	
15	Naming Rules and Conventions for Objects	1	26/8/22	2	
16	VB Help Controls in VB	2	27/8/22 29/8/22	3 4	
17	Coding for Controls: Clearing text Boxes and Labels, Resetting the Focus	1	30/8/22	1	
18	Setting the Value property of Option Buttons, Check Boxes, Change the Font Properties of Controls	1	30/8/22	5	
19	Change the Color of text, Content text,	1	30/8/22	5	
	UNIT-II				
1	Variables	1	1/9/22	5	

2	Constants	1	2/9/22	2	
3	Calculation	1	5/9/22	4	
4	Data Types	1	6/9/22	2	
5	Variables and Constants	2	6/9/22	5	
6	Value function	1	7/9/22	2	
7	Arithmetic operations: Order of Operation	1	8/9/22	5	
8	Using Calculation in code	1	8/9/22	7	
9	Formatting data	1	9/9/22	2	
10	Decisions and conditions	2	12/9/22 13/9/22	4 , 1	
11	If Statements, Conditions	1	13/9/22	5	
12	Nested If Statement	1	14/9/22	2	
13	Using If Statement with option buttons and checkboxes	1	15/9/22	2	
14	Displaying messages	1	15/9/22	5	
15	Input validation	1	16/9/22	2	
16	Calling event Procedures	1	17/9/22	4	
	UNIT-III				
1	Menus, Sub procedures and sub functions	1	20/9/22	1	
2	Menus,	1	20/9/22	5	
3	Common Dialog Boxes	1	21/9/22	2	
4	Writing General Procedures	1	22/9/22	5	
5	Multiple Forms: Standard Code Modules	1	23/9/22	7	
6	Multiple Form Projects	1	23/9/22	2	
7	Using Sub main for Start-up	1	27/9/22	1	
8	Variables and Constants in Multiple	2	24/9/22 26/9/22	5 , 4	
9	Form Projects	1	27/9/22	1	
10	Programming Hints	1	27/9/22	5	
	UNIT-IV				
1	List Boxes and Combo boxes	1	28/9/22	2	
2	Do/Loop	1	6/10/22	5	
3	For/Next Loop	1	7/10/22	2	
4	Using Msgbox Function	1	10/10/22	4	

	Using String Functions	1	11/10/22	1	
	Arrays	1	12/10/22	2	
	Control Arrays	2	13/10/22	5	
	Single Dimension Array	1	14/10/22	2	
	For Each/Next Statements	1	17/10/22	4	
0	User defined data types	1	18/10/22	1	
1	Multidimensional Arrays	2	19/10/22	2	

UNIT-V

	Accessing Database Files	1	20/10/22	5	
2	Visual basic and Database Files	1	21/10/22	2	
3	Using Data Control	1	26/10/22	5	
4	Viewing a Database File:Design and Create the form	1	27/10/22	2	
5	Set the Properties for the Data Controls	1	28/10/22	4	
6	Set the properties for the Data bound Controls	1	31/10/22	1	
7	Writing the code	1	1/11/22	5	
8	Run the project	1	1/11/22	1	
9	Navigating the Database in Code	1	2/11/22	2	
0	Using list Boxes and Combo Boxes as Data	2	3/11/22	5,7	
1	Bound Controls	1	4/11/22	2	

eaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

ACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Name: **KARTHIKEYAN M** Subject: **CORE PRACTICAL V - PROGRAMMING IN VB**

t Code: **19UCSP05** Year / Semester : **III /V SEM**

	Topics to be covered	Hours Planned	Date on which topic	Hour on which topic	Initial/ Remarks
	Construction of an Arithmetic Calculator (Simple)	4	12/8/22	6,7,5	
	Writing simple programs using loops and decision making statements.				
	a. Generate Fibonacci series.	2	26/8/22	5,6,7	
	b. Find the sum of N numbers.	2	2/9/22	5,6	
	c. To display the numbers/symbols in triangle format.	2	9/9/22	7	
	Write a program to create a menu and MDI Forms.	2	9/9/22	5,6	
	a. MDI Menu creation	3	9/9/22	7	
	Write a program to create a simple input screen with four basic controls to read input and write it to a file.	3	16/9/22	5,6,7	
	Write a program to display files in a directory using DriveListBox, DirListBox and FileListBox control	4	23/9/22	5,6,7	
	control	2	7/10/22	5,6	
	Write a program to illustrate Common Dialog Control and to open, edit and save text file	4	7/10/22 12/10/22	7 5,6,7	
	Write a program to develop windows based installation file with Student Registration form and Login form	4	21/10/22	5,6,7	
	Develop a program to Insert, update a Record in database using ADO	4	28/10/22	5,6,7	
	a.Develop a program to delete a Record in database using ADO	2	4/11/22	5,6	
	Write a program to implement Personal Information System using MDI	4	4/11/22 11/11/22	7 5,6	
	a.Standard ADODC controls and reports	2	11/11/22	7	
	Write a program to implement animation using timers.	4	18/11/22	5,6,7	

ing Methods: Lecture using Board,computer, LCD & Discussion

ACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R.COLLEGE HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

culty Name: M.KARTHIKEYAN
bject Code: 21PCSEII

Subject : MOBILE COMPUTING
Year / Semester :II- M.Sc (CS) / III Semester

No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Basics of mobile	1	16/8/22	3	
2	Mobile device	1	17/8/22	4	
3	Mobile device profiles	1	18/8/22	1	
4	Middleware and gateways	1	18/8/22	3	
5	Wireless Internet	1	22/8/22	5	
6	Smart clients	1	23/8/22	3	
7	Three-tier Architecture	2	24/8/22	4	
8	Design considerations for mobile computing	1	25/8/22	1	
9	Mobility	1	29/8/22	3	
10	Location based services	1	29/8/22	5	
	UNIT-II				
1	Mobile computing through Internet	1	30/8/22	3	
2	Mobile-enabled Applications	1	1/9/22	1	
3	Developing Mobile GUIs	2	1/9/22	3	
4	VUIs and	1	5/9/22	5	
5	Mobile Applications	1	6/9/22	3	
6	Characteristics and benefits	1	7/9/22	4	
7	Multi channel and	1	8/9/22	1	
8	Multi modal user interfaces	1	8/9/22	3	
9	Synchronization	2	12/9/22	5	
10	Replication of Mobile Data	1	13/9/22	3	
11	SMS architecture	1	14/9/22	4	
12	GPRS	2	15/9/22	1, 3	
13	Mobile Computing through Telephony	1	19/9/22	5	

	UNIT-III				
1	Mobile Application Development	1	20/9/22	3	
2	Android	1	21/9/22	4	
3	Wi-fi	1	22/9/22	1	
4	GPS	1	23/9/22	3	
5	Camera	1	26/9/22	5	
6	Movement	1	27/9/22	3	
7	Orientation	1	28/9/22	4	
8	Event based programming	2	29/9/22	1, 3	
9	Ios	1	6/10/22	1	
10	Windows CE	2	10/10/22	3	
11	Blackberry	1	11/10/22	5	
12	Windows phone	1	12/10/22	3	
13	M-Commerce-structure	2	13/10/22	4	
14	Pros	1	13/10/22	1	
15	Cons	1	13/10/22	3	
16	Mobile payment system	1	17/10/22	5	
17	J2ME	2	18/10/22	3	
	UNIT-IV				
1	Ad Hoc Wireless Network	1	19/10/22	4	
2	MAC protocol	1	20/10/22	1	
3	Routing protocols	1	20/10/22	3	
4	Transport Layer Protocol	1	26/10/22	4	
5	QoS	2	27/10/22	1, 3	
6	Energy Management	1	31/10/22	5	
7	Application design	1	1/11/22	3	
8	Work flow	1	2/11/22	4	
9	Composing applications	1	3/11/22	1	
10	Dynamic linking	2	3/11/22	3	
11	Intents	1	7/11/22	5	
12	Intents and Services	1	8/11/22	3	
13	Communication via the web	1	9/11/22	4	

UNIT-V					
1	Security and Hacking	1	10/11/22	1	
2	Password security	1	10/11/22	3	
3	Network security	1	14/11/22	5	
4	Web security	1	15/11/22	3	
5	Database security	1	16/11/22	4	
6	Wireless Sensor Network	1	17/11/22	1	
7	Architecture and Design	2	17/11/22	3	
8	Medium Access Control	1	21/11/22	5	
9	Routing	1	22/11/22	3	
10	Transport Layer	1	23/11/22	4	
11	Energy model	1	24/11/22	1	

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R.COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

ty Name:**ASHWINI N** Subject:PROFESSIONAL ENGLISH
ct Code: **20UPES01** Year / Semester : **I-BSC CS/SEM-I**
ASE CODE: B.Sc(CS)

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
Listening:listening to audio text and answering questions	2	10/08	1,6	Ashi.N
Listening to instructions	1	12/08	4	Ashi.N
Speaking: pair work and small group work	1	16/08	3	Ashi.N
Reading: Comprehension passages-Differentiate between facts and opinion	1	17/08	6	Ashi.N
Writing:Developing a story with pictures	1	19/08	4	Ashi.N
Vocabulary:Register specific-Incorporated into the LSRW tasks.	2	23/08 24/08	3 4	Ashi.N
UNIT-II				
Listening: listening to process description	2	26/08 30/08	4 3	Ashi.N
Drawing a flow chart	1	2/09	4	Ashi.N
Speaking: Role play	1	6/09	3	Ashi.N
Reading:Skimming/Scanning	1	7/09	6	Ashi.N
Writing: Process Description	1	9/9	4	Ashi.N
Vocabulary:Register specific-Incroprated into the LSRW tasks.	1	13/9	3	Ashi.N
UNIT-III				
Listening: listening to interviews of specialists	1	14/9	3	Ashi.N
Inventors in fields	1	16/9	6	Ashi.N
Speaking: Brainstorming	1	20/9	3	Ashi.N
Reading:Longer reading text	1	21/9	6	Ashi.N
Writing: Essay writing	1	23/9	4	Ashi.N
Vocabulary:Register specific-Incroprated into the LSRW tasks.	2	27/9 28/9	3 6	Ashi.N.

UNIT-IV				
Listening:listening to Lectures	2	30/9 7/10	4 4	Asst.N
Speaking: Short talks	1	11/10	3	Asst.N
Reading: Comprehension passages	2	12/10 14/10	6 4	Asst.N
Writing: Writing Recommendations	1	18/10	3	Asst.N
Vocabulary: Register specific-Incroporated into the LSRW tasks.	1	19/10	6	Asst.N
UNIT-V				
Listening:listening comprehensions	2	21/10 26/10	6 3	Asst.N
Listening to information	1	28/10	4	Asst.N
Speaking: Making Presentations	1	28/10	5	Asst.N
Reading: Comprehension passages-note Making	1	2/11	6	Asst.N
Writing: Problem and solution essay-creative writing-Summary writing	2	15/11 16/11	3 6	Asst.N
Vocabulary:Register specific-Incorporated into the LSRW tasks.	1	18/11	4	Asst.N.

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

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M.G.R. COLLEGE HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022023

Faculty Name: ABHIWINI.N
Subject Code: 21UCC06
Subject: FUNDAMENTALS OF COMPUTER AND TALLY
Year / Semester : II B.COM CA/SEM-III

COURSE CODE: B.COM CA 'A'

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction to Computers	1	08/08	4	ABHI.N
2	Classification of Digital Computer Systems	2	9/08 10/08	2 1	ABHI.N
3	Anatomy of a Digital Computer	1	11/08	3	ABHI.N
4	Memory Units	2	12/08 15/08	5&4	ABHI.N
5	Input Devices	1	16/08	2	ABHI.N
6	Output Devices	2	18/08 19/08	3 5	ABHI.N
7	Auxiliary Storage Devices.	1	22/08	4	ABHI.N
	UNIT-II				
1	Computer Software	1	23/08	2	ABHI.N
2	Programming Languages	2	24/08 25/08	2 1	ABHI.N
3	Operating Systems	2	26/08 29/08	5 4	ABHI.N
4	Computer Networks	1	1/9	3	ABHI.N
5	Internet	1	5/9	4	ABHI.N
6	Electronic Mail	2	6/09 7/09	2 1	ABHI.N
	UNIT-III				
1	Introduction to Tally	2	12/09 13/09	4 2	ABHI.N
2	Company Creation	1	14/09	1	ABHI.N
3	Select company	2	16/09 19/09	5&4	ABHI.N
4	Shut company	1	23/09	3	ABHI.N
5	Alter company	2	26/09 27/09	4 2	ABHI.N

6	spilt company data	1	28/9	1	ASH.N
7	Display	1	29/9	3	ASH.N.
8	Accounts info	2	30/9	5, 7	ASH.N
9	Ledger Creation	1	6/10	5	ASH.N
10	Voucher Creation	2	11/10	4, 6	ASH.N
11	Bank Reconciliation Statement	1	12/10	1	ASH.N
12	Multi Currency	2	13/10 14/10	3 5	ASH.N
13	Budgets	1	10/10	4	ASH.N
14	Credit Limits	2	19/10 20/10	1 3	ASH.N
15	Interest calculation	2	26/10 27/10	1 3	ASH.N
	UNIT-IV				
1	Inventory info	1	28/10	5	ASH.N
2	Stock Group,	2	31/10 11/11	4 2	ASH.N
3	Unit of Measures	1	3/11	3	ASH.N
4	Stock Category	2	4/11	3,5	ASH.N
4	Godowns	1	8/11	2	ASH.N
5	Accounting vouchers	2	9/11 10/11	1 3	ASH.N
6	Inventory vouchers	1	11/11	5	ASH.N
7	Re-order level and status.	2	14/11 15/11	4 2	ASH.N
	UNIT-V				
1	Statutory	1	21/11	4	ASH.N
2	Taxation	2	23/11 24/11	3 1	ASH.N
2	Value Added Tax (VAT)	1	25/11	5	ASH.N
3	Tax Deducted	2	28/11	4, 6	ASH.N
4	Tax Deducted at Source (TDS)	1	30/11	1	ASH.N
5	Tax Collected	2	30/11	2, 5	ASH.N
6	Tax Collected at Source (TCS)	1	1/12	5	ASH.N
7	Security Control	1	1/12	5	ASH.N

8	Tally audit	2	1/12	6	
9	GST , meaning methods	1	1/12	6	
10	Backup	1	1/12	7	
11	Restore	1	1/12	7	
12	Open Database Connectivity.	2	2/12	3,5	

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

FACULTY

HEAD OF THE DEPARTMENT

PRINCIPAL

M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

e: **ASHWINI N** Subject:ADVANCE COMPUTER ARCHITECTURE

e:**21PCSE01** Year / Semester : **I- MSC/ SEM -I**
ODE: MJ.Sc (CS)

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
ution of computer system	1	1/9	1	Ashi.N
llelism in uniprocessor system	2	2/9	2, 6	Ashi.N
c uniprocessor Architecture	1	5/9	4	Ashi.N
llel processing Mechanism	1	6/9	5	Ashi.N
llel computer sturucture	2	7/9	2, 5	Ashi.N
: line computer	1	8/9	3	Ashi.N
ay computer	1	9/9	4	Ashi.N
ltiProcessor system	2	12/9	1, 6	Ashi.N
UNIT-II				
ear pipeline processor nchronous	1	13/9	5	Ashi.N
chronous Models	1	14/9	2	Ashi.N
-linear PipelineProcessors	2	15/9	4, 6	Ashi.N
ervation and Latency Analysis	1	16/9	3	Ashi.N
ision-free scheduling	1	19/9	2	Ashi.N
ruction Pipeline Design: ruction Execution Phases	1	20/9	1	Ashi.N
chanisms for Instruction Pipelining	1	21/9	4	Ashi.N
hmetic Pipeline Design: nputer Arithmetic Principles	2	22/9	3, 5	Ashi.N
tic Arithmetic Pipelines	1	23/9	6	Ashi.N
ltifunctional Arithmetic	1	26/9	5	Ashi.N
elines -Superscalar	2	27/9	2, 4	Ashi.N

ipeline Design.	1	28/9	1	Asfi.N
UNIT-III				
IMD Array Processor	1	29/9	3	Asfi.N
IMD Computer organizations	2	30/9	2, 6	Asfi.N
nter PE Communication	1	6/10	4	Asfi.N
IMD Interconnection Network	2	7/10	1, 5	Asfi.N
tatic vs Dynamic Network	1	10/10	1	Asfi.N
Single stage network	2	11/10	3, 6	Asfi.N
Multistage network	1	12/10	4	Asfi.N
Mesh connection Iliac Network-	1	13/10	1	Asfi.N
cube interconnection Network	2	14/10	2, 5	Asfi.N
Associative Array Processing	1	17/10	3	Asfi.N
Associative memory organization.	1	18/10	4	Asfi.N
Bit serial organization	2	19/10	1, 6	Asfi.N
Associative processors	1	20/10	3	Asfi.N
The PEPE Architecture	1	21/10	2	Asfi.N
The bit-serial STARAN organization	2	26/10	2.5	Asfi.N
UNIT-IV				
Multiprocessor System Interconnects	1	27/10	4	Asfi.N
Hierarchical Bus System	2	28/10	2, 6	Asfi.N
Crossbar Switch	1	31/10	3	Asfi.N
Multiport Memory	1	1/11	1	Asfi.N
Multistage and Combining Networks	1	2/11	2	Asfi.N
Cache Coherence	2	3/11	5, 6	Asfi.N
Synchronization Mechanisms	1	4/11	1	Asfi.N
The Cache Coherence Problem	1	7/11	3	Asfi.N
Directory-Based Protocols	1	8/11	5	Asfi.N
Hardware Synchronization Mechanisms	2	9/11	2, 6	Asfi.N
Message-Passing Mechanisms	1	10/11	4	Asfi.N
Message-Routing Schemes	1	11/11	2	Asfi.N
Deadlock and Virtual Channels	1	14/11	5	Asfi.N.

Flow Control Strategies	1	15/11	3	Asst.N
Multicast Routing Algorithms	2	16/11	1, 5	Asst.N
UNIT-V				
Multiprocessor Operating Systems	2	17/11	2, 4	Asst.N
Multiprocessor	1	18/11	6	Asst.N
Characteristics of multiprocessor	2	21/11	1, 5	Asst.N
Interprocessor Communication	1	22/11	3	Asst.N
Multiprocessor	2	23/11	2, 6	Asst.N
Scheduling Strategies	1	24/11	1	Asst.N.

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Name: THENMOZHI P

Subject: CLOUD COMPUTING

Code:21PCSE01

Year / Semester : II- MSC/ SEM -III

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
Cloud computing definition	1	2.8.22	3	
Characteristics	1	3.8.22	1	
Benefit	1	3.8.22	5	
Challenges	1	4.8.22	4	
Distributed Systems	2	5.8.22	1	
Virtualization	1	15.8.22	3	
Service-oriented	1	15.8.22	5	
Utility-oriented computing	1	17.8.22	2	
Building Cloud Computing environments	1	17.8.22	5	
computing platforms & technologies	1	18.8.22	3	
Cloud Models	1	18.8.22	2	
Cloud Service	1	21.8.22	1	
Examples - Cloud Based Services & Applications	1	22.8.22	3	
Cloud concepts and Technologies.	1	22.8.22	5	
UNIT-II				
Virtualization	1	23.8.22	2	
Characteristics	1	24.8.22	5	
taxonomy-types- Pros and Cons	2	25.8.22	3	
Examples of Architecture	1	26.8.22	4	
Reference model	1	29.8.22	2	
types of clouds	1	30.8.22	3	
Compute Service	1	30.8.22	5	

8	Storage Services	1	31.8.22	1	
9	Cloud Database Services	1	01.09.22	3	
10	Application Services	1	2.09.22	3	
11	Content Delivery Services	1	3.9.22	3	
12	Analytics Services	1	3.9.22	2	
13	Deployment And Management Service	1	5.9.22	5	
14	Identity And Access Management Services	1	6.9.22	2	
15	Open Source Private Cloud Software	1	6.9.22	5	
	UNIT-III				
1	CLOUD APPLICATION DESIGN AND DEVELOPMENT	1	7.9.22	2	
2	Design consideration	1	8.9.22	1	
3	Reference Architecture for Cloud Application	2	9.9.22	3&5	
4	Cloud Application	1	10.9.22		
5	Cloud Design Methodologies	1	12.9.22	1	
6	Data Storage Approaches	1	13.9.22	3	
7	Development in Python	1	14.9.22	2	
8	Design Approaches	1	15.9.22	3	
9	Applications	1	17.9.22	6	
10	Image Processing	1	19.9.22	3	
11	Document Storage	1	20.9.22	2	
12	Map Reduce	1	20.9.22	5	
13	Social Media Analytics	1	23.9.22	3	
	UNIT-IV		24.9.22	2	
1	PYTHON FOR CLOUD	1	29.9.22	1	
2	Introduction	1	6.10.22	1	
3	Installing Python	1	7.10.22	2	
4	Data types & Data Structures	1	10.10.22	4	
5	Control Flow	1	12.10.22	3	
6	Functions	1	14.10.22	5	
7	Modules	1	17.10.22	2	
8	Packages	1	20.10.22	1	

File Handling	1	1.11.22	2	
Date/Time Operations Classes	1	2.11.22	1	
Python for Cloud	1	5.11.22	3	
Amazon Web Services, Google Cloud Platform	1	7.11.22	5	
Windows Azure Map Reduced	1	8.11.22	4	
Packages of Interest	1	9.11.22	3	
Designing a RESTful Web API	1	9.11.22	5	
UNIT-V				
Big Data Analytics	1	11.11.22	2	
Clustering big data	1	14.11.22	1	
Classification of Big Data	1	15.11.22	3	
Recommendation systems	1	17.11.22	5	
Multimedia Cloud	1	17.11.22	2	
Case Study- Live Video Stream App	1	18.11.22	4	
Streaming Protocols	1	18.11.22	3	
Case Study: Video Transcoding App	1	19.11.22	5	
Video Transcoding App-Cloud Security	1	21.11.22	1	
CSA Cloud Security Architecture	1	24.11.22	2	
Authentication - Authorization	1	24.11.22	3	
Identity and Access management	1	25.11.22	5	
Data Security- Key Management - Auditing	1	26.11.22	3	
Key Management – Auditing	1	28.11.22	5	
Cloud for Industry, Healthcare & Education	1	29.11.22	1	

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

Faculty Name: P.THENMOZHI
Subject Code: 20UPES01

Subject: PROFESSIONAL ENGLISH
Year / Semester : I-BSC CS/SEM-I

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Listening:listening to audio text and answering questions	2	10.8.22 11.8.22	2	
2	Listening to instructions	1	16.8.22	3	
3	Speaking: pair work and small group work	1	16.8.22	7	
4	Reading: Comprehension passages-Differentiate between facts and opinion	1	17.8.22	2	
5	Writing:Developing a story with pictures		18.8.22	3	
6	Vocabulary:Register specific-Incorporated into the LSRW tasks.	2	20.8.22 to 25.8.22	7	
	UNIT-II				
1	Listening: listening to process description	2	26.8.22 to 30.8.22	2	
2	Drawing a flow chart	1	3.9.22	3	
3	Speaking: Role play	1	9.9.22	7	
4	Reading:Skimming/Scanning	1	17.9.22	2	
5	Writing: Process Description	1	20.9.22	3	
6	Vocabulary:Register specific-Incroprated into the LSRW tasks.	1	23.9.22	7	
	UNIT-III				
1	Listening: listening to interviews of specialists	1	7.10.22 to 17.10.22	2	
2	Inventors in fields	1	20.10.22	3	
3	Speaking: Brainstorming	1	21.10.22	7	
4	Reading:Longer reading text	1	22.10.22	2	
5	Writing: Essay writing	1	23.10.22	3	
6	Vocabulary:Register specific-Incroprated into the LSRW tasks.	2	24.10.22 to 29.10.22	7	

	UNIT-IV				
1	Listening-listening to Lectures	2	1 11 22 4 9 11 22	2 3	
2	Speaking: Short talks	1	5 11 22	3	
3	Reading: Comprehension passages	2	7 11 22		
4	Writing: Writing Recommendations	1		2 & 5	
5	Vocabulary: Register specific-Incroporated into the LSRW tasks.	1	12 11 22	3	
				5	
	UNIT-V				
1	Listening:listening comprehensions	2	14 11 22 & 14 11 22	2 & 7	
2	Listening to information	1	15 11 22	3	
3	Speaking: Making Presentations	1	16 11 22	2	
3	Reading: Comprehension passages-note Making	1	18 11 22	3	
4	Writing: Problem and solution essay-creative writing-Summary writing	2	18 11 22 21 11 22	2 & 7	
5	Vocabulary:Register specific-Incorporated into the LSRW tasks.	1	25 11 22	3	

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

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PRINCIPAL

M.G.R. HOSUR – 635130

DEPARTMENT OF COMMERCE

Lesson Plan

ACADEMIC YEAR :2022-23

Faculty Name: THENMOZHI P Subject: BUSINESS APPLICATION SOFTWARE

Subject Code: 21UCSA10 Year / Semester : I B.COM CA/SEM-I

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction to MS office	1	10.8.22	2	
2	Ms word creating and editing documents	2	11.8.22	5	
3	Menus	1	12.8.22	3	
4	Commands	2	13.8.22	6	
5	Toolbars and Icons	1	16.8.22	2	
6	Formatting Document	2	17.8.22	5	
7	Creating tables	2	18.8.22	3	
8	Ms word formulas	1	20.8.22	5	
9	Table calculations	2	22.8.22	6	
10	Mail merge	1	23.8.22 23.8.22	2&7	
	UNIT-II				
1	Ms Excel spreadsheet overview	1	24.8.22	3	
2	Toolbars	2	25.8.22	2	
3	Icons	2	26.8.22	5	
4	Creating worksheets	2	to 27.8.22	7	
5	Editing	1	29.8.22	6	
6	Formatting	2	30.8.22	3	
7	Excel Formulas	1	31.8.22	2	
8	Functions	1	01.9.22	5	
9	Creating charts	2	2.9.22	7	
10	Data forms	1	3.9.22	6	
	UNIT-III				
1	Ms Power point	2	5.9.22	2	
2	Introduction	1	6.9.22	5	

3	Menus	2	7.9.22	6	
4	Toolbars	1	8.9.22	7	
5	Text	2	9.9.22	24	
6	Formats	1	10.9.22	2	
7	Animations	2	12.9.22 to 13.9.22	5	
8	Arts	2	17.9.22	4	
9	Sound , Slideshow	1	19.9.22	5	
10	Making the presentation templates	2	20.9.22	7	
	UNIT-IV				
1	Ms Access	1	23.9.22	4	
2	Database Overview	2	24.9.22 to 29.9.22	2	
3	Creating A database	2	6.10.22	3	
4	Modifying Tables	2	7.10.22 8.10.22	2	
4	Creating Forms	1	10.10.22 to 12.10.22	5	
5	Query	2	13.10.22	2	
6	Creating Reports	1	14.10.22 to 17.10.22	6	
7	Mailing Labels	2	20.10.22	2	
	UNIT-V				
1	Ms Front page	1	21.10.22 to 29.10.22	4	
2	Introduction	2	1.11.22	2	
2	Web pages overview	1	2.11.22 (2hr) 4.11.22	3	
3	Website overview	2	5.11.22 (2hr)	2	
4	Create	1	7.11.22 to 9.11.22	5	
5	Manage complete websites	2	11.11.22	2	
6	Format websites	1	14.11.22 to 17.11.22	6	
7	Creating web page with wizards	2	18.11.22 to 24.11.22	2	
8	Creating web page without wizards	2		3	

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

me: SWETHA E

de: 20UCS05

Subject: COMPUTER NETWORK

Year / Semester : III - B.sc CS 'B' SEM -III

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
roduction - uses of computer networks	1	04/08/22	VII	
siness and Home Applications	1	05/08/22	VI	
N,MAN,WAN,wireless & me-networks	1	06/08/22	III	
otocols hierarchies and Design issues	1	08/08/22	II	
nnection oriented & connectionless rvices	1	09/08/22	III	
rvice primitives	1	10/08/22	III	
e OSI Reference Model	1	10/08/22	VI	
agnetic Media & Twisted Pair	1	11/08/22	VII	
axial cable & Fiber optics	1	12/08/22	III	
ectromagnetic,Radio,Microwave ansmission	1	13/08/22	III	
frared and Millimeter waves , Lightwave ansmission	1	16/08/22	V	
ructure of telephone system, Modems, DSL and Wireless	1	17/08/22	III	
ultiplexing and Switching	2	17/08/22	III, V	
obile Telephone System(1st ,2nd ,3rd)	2	18/08/22	VII, III	
UNIT-II				
ta Link Layer :Services & Framing	1	22/08/22	II	
ror & Flow control	1	23/08/22	V	
ror Detection and Correction	2	24/08/22	III, V	
op - and – Wait protocol	1	24/08/22	VI	
ding window protocol	2	25/08/22	VII, III	

6	Channel Allocation – (static & Dynamic)	1	26/08/22	III	
7	Multiple Access Protocols	1	29/08/22	IV	
	UNIT-III				
1	Store – and – Forward Packet switching	1	30/08/22	V	
2	Services provided to the transport layer	1	01/09/22	VII	
3	Connectionless and connection – oriented services	1	02/09/22	III	
4	Comparison of virtual- circuit and datagram subnet	1	05/09/22	II	
5	Routing algorithms – Optimality principle	1	06/09/22	V	
6	Shortest Path Routing	1	07/09/22	III	
7	Flooding & Distance vector Routing	1	07/09/22	VI	
8	Link State & Hierarchical Routing	1	08/09/22	VII	
9	Broadcast and Multicast Routing	1	09/09/22	III	
10	Ad hoc and Peer to peer Networks	1	12/09/22	II	
11	Principles of congestion control	1	13/09/22	V	
12	Congestion prevention policies	1	14/09/22	III	
13	Congestion control in virtual & Datagram subnet	2	14/09/22	VI, II	
14	Load shedding and jitter control	2	15/09/22	VII, III	
15	Requirements of QOS	1	16/09/22	III	
16	Techniques of QOS	1	19/09/22	II	
17	Integrated & Differentiated services	1	20/09/22	V	
18	Internetworking how it can differ & connected	1	21/09/22	III	
19	Concatenated virtual circuits	1	21/09/22	VI	
20	Connectionless internetworking	1	22/09/22	VII	
21	Tunneling and Internetworking routing	1	23/09/22	III	
22	Fragmentation	1	26/09/22	II	
	UNIT-IV				
1	Transport Service – Service provided to the upper layer	1	27/09/22	V	
2	Transport service primitives	2	28/09/22	III, V	
3	Berkeley sockets	1	28/09/22	VI	
4	Elements Of Transport Layer – Addressing	1	29/09/22	VII	

Connection Establishment & Release	1	3/10/22	III	
Flow control and Buffering	1	06/10/22	VII	
Multiplexing and crash recovery	2	07/10/22	VI, III	
UDP : Introduction , Remote procedure call	1	10/10/22	II	
Real - Time Transport Protocol	1	11/10/22	V	
Introduction to TCP service model and protocol	1	12/10/22	III	
TCP Segment Header	1	13/10/22	VII	
TCP connection establishment and Release	1	14/10/22	III	
TCP Transmission policy & congestion control	1	17/10/22	II	
TCP Timer Management , Wireless TCP & UDP	1	18/10/22	V	
UNIT-V				
DNS - Domain Name System , DNS Name Space	2	19/10/22	III, V	
Resource records ,Name servers	1	19/10/22	VI	
E-Mail Architecture and services	1	20/10/22	VII	
User Agent , Final Delivery	1	21/10/22	III	
Message Formats and Transfer	2	26/10/22	III, VI	
Architectural overview of WWW	1	26/10/22	VI	
Static and dynamic web document	1	28/10/22	VII	
HTTP Protocol, Wireless web	2	31/10/22	II, VI	
Introduction to cryptography	1	01/11/22	V	
Substitution & Transposition Ciphers , One-Time pads	1	02/11/22	III	
Two Fundamental Cryptographic Principles	1	02/11/22	VI	
Symmetric key Algorithms - DES	1	03/11/22	VII	
AES – Advanced Encryption Standard	1	04/11/22	III	
Cipher Modes , Crypt analysis	1	07/11/22	II	
RSA ,Public key Algorithms	1	08/11/22	V	

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

FACULTY

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PRINCIPAL

M.G.R. HOSUR – 635130

DEPARTMENT OF COMMERCE

Lesson Plan

ACADEMIC YEAR :2022-23

Faculty Name: SWETHA E

Subject Code: 21UCC06

Subject: FUNDAMENTALS OF COMPUTER AND TALLY

Year / Semester : II B.COM CA/SEM-III 'B'

No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction to Computers	1	04/08/22	II	
2	Classification of Digital Computer Systems	2	04/08/22	IV, V	
3	Anatomy of a Digital Computer	1	05/08/22	II	
4	Memory Units	2	08/08/22	IV, V	
5	Input Devices	1	08/08/22	VII, I	
6	Output Devices	2	18/08/22	II, IV	
7	Auxiliary Storage Devices.	1	11/08/22	VI	
	UNIT-II				
1	Computer Software	1	12/08/22	II	
2	Programming Languages	2	16/08/22	IV, VI	
3	Operating Systems	2	18/08/22	II, V	
4	Computer Networks	1	18/08/22	IV	
5	Internet	1	18/08/22	IV	
6	Electronic Mail	2	22/08/22	IV, VII	
	UNIT-III				
1	Introduction to Tally	2	25/08/22	VI IV	
2	Company Creation	1	26/08/22	II	
3	Select company	2	29/08/22	IV, VII	
4	Shut company	1	30/08/22	IV	
5	Alter company	2	01/09/22	II, IV	
6	spilt company data	1	02/09/22	III	
7	Display	1	05/09/22	IV	
8	Accounts info	2	05/09/22 06/09/22	VII & IV	
9	Ledger Creation	1	08/09/22	II	

10	Voucher Creation	2	
11	Bank Reconciliation Statement	1	
12	Multi Currency	2	
13	Budgets	1	
14	Credit Limits	2	
15	Interest calculation	2	
	UNIT-IV		
1	Inventory info	1	
2	Stock Group,	2	
3	Unit of Measures	1	
4	Stock Category	2	
4	Godowns	1	
5	Accounting vouchers	2	
6	Inventory vouchers	1	
7	Re-order level and status.	2	
	UNIT-V		
1	Statutory	1	
2	Taxation	2	
2	Value Added Tax (VAT)	1	
3	Tax Deducted	2	
4	Tax Deducted at Source (TDS)	1	
5	Tax Collected	2	
6	Tax Collected at Source (TCS)	1	
7	Security Control	1	
8	Tally audit	2	
9	GST , meaning methods	1	
10	Backup	1	
11	Restore	1	
12	Open Database Connectivity.	2	

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

FACULTY **HEAD OF THE DEPARTMENT** PRINCIPAL

M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

Faculty Name: SWETHA E
Subject Code: 17UCC12

Subject: SOFTWARE DEVELOPMENT WITH VB
Year / Semester : III B.Com.(CA) - 5TH SEM 'A'

S.No.	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction to visual basic	1	10/08/22	I	
2	Getting started	1	16/08/22	II	
3	Working with visual basic	1	17/08/22	I	
4	The initial visual basic screen	1	23/08/22	II	
5	The SDI environment	1	24/08/22	I	
6	Toolbars	1	30/08/22	II	
7	The tool box	1	06/09/22	II	
8	Custom controls and components	1	07/09/22	I	
9	The properties window	1	13/09/22	II	
10	Common form properties	1	14/09/22	I	
11	Scale and colour properties	1	20/09/22	II	
	UNIT-II				
1	Building the user interface	1	21/09/22	I	
2	Toolbox	1	27/09/22	II	
3	Creating controls	1	28/09/22	I	
4	Name property	1	28/09/22	I	
5	Properties of command buttons	1	11/10/22	I	
6	Image controls	1	11/10/22	II	
7	Text boxes and labels	1	12/10/22	I	
8	Message boxes	1	12/10/22	I	
9	Grid	1	12/10/22	I	
10	Anatomy of a VB Application	1	18/10/22	II	
11	The code window	1	18/10/22	II	
12	Statement in visual basic	1	19/10/22	I	

13	Variables and data types	1	26/10/22	II	
14	Working with variables	1	26/10/22	I	
15	Constants and input boxes	1	01/11/22	I	
	UNIT-III				
1	Display information on a form	1	02/11/22	I	
2	The format function	1	08/11/22	II	
3	Picture boxes	1	09/11/22	I	
4	Rich text boxes	1	15/11/22	II	
5	The printer object	1	16/11/22	I	
6	Determinate loops	1	22/11/22	II	
7	Indeterminate loops	1	23/11/22	I	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

me: SARASWATHI V
de: 20UCS05

Subject: COMPUTER NETWORKS
Year / Semester : III - B.sc CS SEM -III

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
roduction - uses of computer networks	1	8.8.22	VII	V. Saraswathi
siness and Home Applications	1	10-8-22	I	V. Saraswathi
AN,MAN,WAN,wireless & me-networks	1	12.8.22	I	V. Saraswathi
otocols hierarchies and Design issues	1	16.8.22	III	V. Saraswathi
onnection oriented & connectionless rvices	1	17.8.22	I	V. Saraswathi
rvice primitives	1	19.8.22	I	V. Saraswathi
e OSI Reference Model	1	22.8.22	VII	V. Saraswathi
agnetic Media & Twisted Pair	1	23.8.22	III	V. Saraswathi
oaxial cable & Fiber optics	1	24.8.22	I	V. Saraswathi
lectromagnetic,Radio,Microwave ransmission	1	26.8.22	I	V. Saraswathi
frared and Millimeter waves , Lightwave ransmission	1	29.8.22	VII	V. Saraswathi
ructure of telephone system, Modems, DSL and Wireless	1	30.8.22	III	V. Saraswathi
ultiplexing and Switching	2	2.9.22 C.A	I	V. Saraswathi
obile Telephone System(1st ,2nd ,3rd)	2	6/9/22 7/9/22	III & I	V. Saraswathi
UNIT-II				
ata Link Layer :Services & Framing	1	9/9/22	I	V. Saraswathi
ror & Flow control	1	12/9/22	VII	V. Saraswathi
ror Detection and Correction	2	13/9 14 FN	III & I	V. Saraswathi
op - and – Wait protocol	1	16/9	I	V. Saraswathi
ding window protocol	2	19/9/22 20/9	VIII & III	V. Saraswathi
hannel Allocation – (static & Dynamic)	1	21/9/22	I	V. Saraswathi

7	Multiple Access Protocols	1	23/9/22	I	
	UNIT-III				
1	Store – and – Forward Packet switching	1	26/9/22	VIII	
2	Services provided to the transport layer	1	27/9/22	III	
3	Connectionless and connection – oriented services	1	28/9/22	I	
4	Comparison of virtual- circuit and datagram subnet	1	7/10/22	I	
5	Routing algorithms – Optimality principle	1	10/10/22	VII	
6	Shortest Path Routing	1	11/10/22	III	
7	Flooding & Distance vector Routing	1	12/10/22	I	
8	Link State & Hierarchical Routing	1	14/10/22	I	
9	Broadcast and Multicast Routing	1	17/10/22	VII	
10	Ad hoc and Peer to peer Networks	1	18/10/22	III	
11	Principles of congestion control	1	19/10/22	I	
12	Congestion prevention policies	1	21/10/22	I	
13	Congestion control in virtual & Datagram subnet	2	26/10/22	V, I.	
14	Load shedding and jitter control	2	28/10/22	I	
15	Requirements of QOS	1	31/10/22	VII	
16	Techniques of QOS	1	1/11/22	III	
17	Integrated & Differentiated services	1	2/11/22	I	
18	Internetworking how it can differ & connected	1	2/11/22	V	
19	Concatenated virtual circuits	1	4/11/22	I	
20	Connectionless internetworking	1	7/11/22	VIII	
21	Tunneling and Internetworking routing	1	8/11/22	VI	
22	Fragmentation	1	9/11/22	I	
	UNIT-IV				
1	Transport Service – Service provided to the upper layer	1	11/11/22	I	
2	Transport service primitives	2	14/11/22	III	
3	Berkeley sockets	1	16/11	III	
4	Elements Of Transport Layer – Addressing	1	16/11	I	
5	Connection Establishment & Release	1	18/11/22	I	

Flow control and Buffering	1	21/11/22	VII	
Multiplexing and crash recovery	2	22/11/22	III	
UDP : Introduction , Remote procedure call	1	23/11	I	
Real – Time Transport Protocol	1	25/11	I	
Introduction to TCP service model and protocol	1	28/11/22	VII	
TCP Segment Header	1	29/11/22	III	
TCP connection establishment and Release	1	30/11	I	
TCP Transmission policy & congestion control	1	30/11	V	
TCP Timer Management , Wireless TCP & UDP	1	2/12	I	
UNIT-V				
DNS - Domain Name System , DNS Name Space	2	2/12	III	
Resource records ,Name servers	1	23/11	V	
E-Mail Architecture and services	1	16/11	V	
User Agent , Final Delivery	1	9/11	I	
Message Formats and Transfer	2	8/11	V	
Architectural overview of WWW	1	28/9	V	
Static and dynamic web document	1	21/9	III	
HTTP Protocol, Wireless web	2	14/9	V	
Introduction to cryptography	1	7/10	I	
Substitution & Transposition Ciphers , One-Time pads	1	12/10	V	
Two Fundamental Cryptographic Principles	1	19/10	I	
Symmetric key Algorithms - DES	1	26/10	V	
AES – Advanced Encryption Standard	1	30/11	V	
Cipher Modes , Crypt analysis	1	1/12	III	
RSA ,Public key Algorithms	1	2/12	IV	

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

[V. Saraswathi]

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Name: **SARASWATHI V** Subject: PROFESSIONAL ENGLISH
Code: **20UPES01** Year / Semester : **I-BSC CS/SEM-I**
'A'

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
Listening:listening to audio text and answering questions	2	11/08/22 13.8	III-IIr	V.Sri
Listening to instructions	1	13.8.22	I	V.Sri
Speaking: pair work and small group work	1	18-8-22	III	V.Sri
Reading: Comprehension passages-Differentiate between facts and opinion	1	22.8.22	IV	V.Sri
Writing:Developing a story with pictures	1	25.8.22	III	V.Sri
Vocabulary:Register specific-Incorporated into the LSRW tasks.	2	29.8.22 1.9.22	IV & III	V.Sri
UNIT-II				
Listening: listening to process description	2	5/9/22 8-9	IV, III	V.Sri
Drawing a flow chart	1	12/9	IV	V.Sri
Speaking: Role play	1	12/9	IV	V.Sri
Reading:Skimming/Scanning	1	15/9	III	V.Sri
Writing: Process Description	1	15/9/22	III	V.Sri
Vocabulary:Register specific-Incroprated into the LSRW tasks.	1	19/9/22	IV	V.Sri
UNIT-III				
Listening: listening to interviews of specialists	1	19/9/22	IV	V.Sri
Inventors in fields	1	22/9	III	V.Sri
Speaking: Brainstorming	1	26/9	IV	V.Sri
Reading:Longer reading text	1	26/9	IV	V.Sri
Writing: Essay writing	1	29/9	II	V.Sri
Vocabulary:Register specific-Incroprated into the LSRW tasks.	2	6/10/22	III & IV	V.Sri

	UNIT-IV				
1	Listening:listening to Lectures	2	13/10/17	III, IV	V. Saraswathi
2	Speaking: Short talks	1	20/10	V	V. Saraswathi
3	Reading: Comprehension passages	2	31/10,	IV	V. Saraswathi
4	Writing: Writing Recommendations	1	10/11	VI	V. Saraswathi
5	Vocabulary: Register specific-Incroporated into the LSRW tasks.	1	14/11	IV	V. Saraswathi
	UNIT-V				
1	Listening:listening comprehensions	2	17/11	VII	V. Saraswathi
2	Listening to information	1	21/11	III	V. Saraswathi
3	Speaking: Making Presentations	1	21/11	III	V. Saraswathi
3	Reading: Comprehension passages-note Making	1	24/11	IV	V. Saraswathi
4	Writing: Problem and solution essay-creative writing-Summary writing	2	28/11/12	IV	V. Saraswathi
5	Vocabulary:Register specific-Incorporated into the LSRW tasks.	1	1/12	III	V. Saraswathi

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

V. Saraswathi

FACULTY

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PRINCIPAL

M.G.R. HOSUR – 635130
DEPARTMENT OF COMMERCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: **SARASWATHI V**
Subject Code: 21UCC06

Subject: **FUNDAMENTALS OF COMPUTER AND TALLY**
Year / Semester : **II B.COM CA/SEM-III**
'C'

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction to Computers	1	08/08/22	II	
2	Classification of Digital Computer Systems	2	10/08/22 11/08/22	III	
3	Anatomy of a Digital Computer	1	16/08/22	I	
4	Memory Units	2	17/08/22	III	
5	Input Devices	1	18/08/22	II	
6	Output Devices	2	12/08/22	I, IV	
7	Auxiliary Storage Devices.	1	16/08/22	V	
	UNIT-II				
1	Computer Software	1	22/08/22	II	
2	Programming Languages	2	23/08/22	I, V	
3	Operating Systems	2	24/08/22	III	
4	Computer Networks	1	25/08/22	II	
5	Internet	1	26/08/22	I	
6	Electronic Mail	2	26/08/22	V	
	UNIT-III				
1	Introduction to Tally	2	29/08/22 30/08/22	II, I	
2	Company Creation	1	01/09/22	II	
3	Select company	2	02/09/22	I, II	
4	Shut company	1	05/09/22	II	
5	Alter company	2	06/09/22 07/09/22	I, III	

6	spilt company data	1	07/04/22	III	
7	Display	1	08/04/22	II	
8	Accounts info	2	08/04/22	I, II	
9	Ledger Creation	1	12/04/22	II	
10	Voucher Creation	2	13/04/22 & 14/04/22	I, III	
11	Bank Reconciliation Statement	1	15/04/22	I	
12	Multi Currency	2	16/04/22	I, II	
13	Budgets	1	19/04/22	II	
14	Credit Limits	2	20/04/22	II	
15	Interest calculation	2	21/04/22	III	
	UNIT-IV				
1	Inventory info	1	22/04/22	II	
2	Stock Group,	2	23/04/22	I, V	
3	Unit of Measures	1	26/04/22	II	
4	Stock Category	2	27/04/22	I	
4	Godowns	1	28/04/22	II	
5	Accounting vouchers	2	29/04/22	III	
6	Inventory vouchers	1	06/10/22	II	
7	Re-order level and status.	2	06/10/22	II	
	UNIT-V				
1	Statutory	1	13/10/22	II	
2	Taxation	2	10/10/22	II	
2	Value Added Tax (VAT)	1	11/10/22	I	
3	Tax Deducted	2	14/10/22	I, III	
4	Tax Deducted at Source (TDS)	1	17/10/22	II	
5	Tax Collected	2	18/10/22, 19/10/22	I, III	
6	Tax Collected at Source (TCS)	1	20/10/22	II	
7	Security Control	1	21/10/22	I	

8	Tally audit	2	21/10/22 22/10/22	V, VI	
9	GST , meaning methods	1	26/10/22	II	
10	Backup	1	27/10/22	II	
11	Restore	1	28/10/22	I	
12	Open Database Connectivity.	2	28/10/22	V	

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M. G. R. COLLEGE, HOSUR – 635 130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-2023

ulty Name: **SOMASUNDARA VITHYA A** Subject: OPERATING SYSTEMS

ject Code: **19UCS07** Year / Semester: **III 'A' Sec/ V**
rse : B. Sc. (Computer Science)

	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
	Introduction	1	08/8/2022	6	Rithy
	History of operating system	1	11/8/2022	1	Rithy
	Different kinds of operating system	2	12/8/2022 17/8/2022	3 1	Rithy
	Operation system concepts	2	18/8/2022 18/8/2022	1 6	Rithy
	System calls	2	22/8/2022 25/8/2022	6 1	Rithy
	Operating system structure	2	26/8/2022 29/8/2022	3 6	Rithy
	UNIT-II				
	Processes and Threads	2	01/9/2022 01/9/2022	1, 6	Rithy
	Processes	1	02/9/2022	3	Rithy
	Threads	1	05/9/2022	6	Rithy
	Thread model and usage	2	07/9/2022 08/9/2022	7 1	Rithy
	Inter process communication	2	08/9/2022 09/9/2022	6 3	Rithy
	UNIT-III				
	Scheduling	2	12/9/2022 14/9/2022	6 7	Rithy
	Memory Management	2	15/9/2022	1, 6	Rithy
	Memory Abstraction	2	16/9/2022 19/9/2022	3 6	Rithy
	Virtual Memory	2	21/9/2022 22/9/2022	7 1	Rithy
	Page replacement algorithms	2	22/9/2022 23/9/2022	6 3	Rithy
	UNIT-IV				
	Deadlocks	2	26/9/2022 28/9/2022	6 7	Rithy
	Resources	2	10/10/2022 12/10/2022	6 7	Rithy

3	Introduction to deadlocks	2	13/10/2022 26/10/2022	1 7	
4	Deadlock detection and recovery	2	27/10/2022	1, 6	
5	Deadlocks avoidance	2	28/10/2022 31/10/2022	3 6	
6	Deadlock prevention	2	02/11/2022 04/11/2022	7 3	
7	Multiple processor system	2	07/11/2022 09/11/2022	6 7	
8	Multiprocessors	1	10/11/2022	1	
9	Multi computer	1	10/11/2022	6	
	UNIT-V				
1	Input / Output	1	11/11/2022	3	
2	Principles of I/O Hardware	1	14/11/2022	6	
3	Principles of I/O Software	1	16/11/2022	7	
4	Files systems	1	17/11/2022	1	
5	Files	1	17/11/2022	6	
6	Directories	1	18/11/2022	3	
7	Files systems implementation	1	21/11/2022	6	
8	File System Management and Optimization.	2	21/11/2022 28/11/2022	6 6	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M. G. R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

ulty Name: A SOMASUNDARA VITHYA **Subject: COMPUTER NETWORKS**

ject Code: 21UCS05 **Year / Semester: II 'A' Sec/ III**

rse: B. Sc. (Computer Science)

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
Introduction – Network Hardware	1	03/8/2022	1	Rithy
Software	1	05/8/2022	4	Rithy
Reference Models - OSI Models	1	06/8/2022	4	Rithy
TCP/IP Models	1	08/8/2022	4	Rithy
Example Networks: Internet, ATM, Ethernet and Wireless LANs	1	10/8/2022	1	Rithy
Physical Layer	1	13/8/2022	4	Rithy
Theoretical Basis for Data Communication	1	17/8/2022	1	Rithy
Guided Transmission Media	1	18/8/2022	3	Rithy
UNIT-II				
Wireless Transmission	2	22/8/2022 24/8/2022	4 1	Rithy
Communication Satellites	1	25/8/2022	3	Rithy
Telephone System: Structure, Local Loop	1	26/8/2022	4	Rithy
Trunks and Multiplexing and Switching	2	29/8/2022 01/9/2022	4 3	Rithy
Data Link Layer: Design Issues	1	02/9/2022	4	Rithy
Error Detection and Correction	1	05/9/2022	4	Rithy
UNIT-III				
Elementary Data Link Protocols	1	07/9/2022	1	Rithy
Sliding Window	2	08/9/2022 09/9/2022	3 4	Rithy
Data Link Layer in the Internet	1	12/9/2022	4	Rithy
Medium Access Layer	1	14/9/2022	1	Rithy
Channel Allocation Problem	1	16/9/2022	4	Rithy
Multiple Access Protocols - Bluetooth	2	19/9/2022 21/9/2022	4 1	Rithy

	UNIT-IV				
1	Network Layer - Design Issues	1	10/10/2022	4	
2	Routing Algorithms	2	12/10/2022 26/10/2022	1 1	
3	Congestion Control Algorithms	2	27/10/2022 28/10/2022	3 4	
4	IP Protocol - IP Addresses	2	02/11/2022 04/11/2022	1 4	
5	Internet Control Protocols	1	07/11/2022	4	
	UNIT-V				
1	Transport Layer - Services	2	09/11/2022 10/11/2022	1 3	
2	Connection Management	1	14/11/2022	4	
3	Addressing, Establishing and Releasing a Connection	2	16/11/2022 17/11/2022	1 3	
4	Simple Transport Protocol	1	18/11/2022	4	
5	Internet Transport Protocols (ITP)	1	21/11/2022	4	
6	Network Security: Cryptography	2	23/11/2022 30/11/2022	1 1	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M. G. R. COLLEGE, HOSUR – 635 130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-2023

Name: **SOMASUNDARA VITHYA A** Subject: BUSINESS APPLICATION SOFTWARE

Code: **21UCSA02** Year / Semester: **I 'B' Sec/ I**
: B. Com. (CA)

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
ntroduction to Microsoft Office – MS Word	1	10/8/2022	3,5	
Creating and Editing Documents	1	16/8/2022	3	
Menus, Commands, Toolbars and Icons	1	17/8/2022	3,5	
Formatting Document	1	22/8/2022	1	
Creating Tables	1	23/8/2022	3	
Mail Merge	1	24/8/2022	3,5	
UNIT-II				
Ms-Excel: Spreadsheet Overview	1	26/8/2022	6	
Menus, Toolbars, Icons – Creating Worksheets.	1	29/8/2022	1	
Editing and Formatting	1	6/9/2022	3	
Excel Formulas and Functions	1	7/9/2022	3,5	
Creating a Chart Data Forms, Sorts, Filter	2	12/9/2022 13/9/2022	1/3	
UNIT-III				
MS Power Point – Introduction	2	14/9/2022	3,5	
Menus – Toolbars	2	16/9/2022 19/9/2022	6 1	
Text and Formats	1	20/9/2022	3	
Animations – Arts and Sound	2	21/9/2022	3,5	
Making the Presentation templates	2	28/9/2022	3,5	
UNIT-IV				
Ms-Access: Database Overview	1	10/10/2022	1	
Creating A Database	2	12/10/2022	3,5	

3	Modifying Tables And Creating	2	24/10/2022	3,5	
4	Forms	1	28/10/2022	6	
5	Query – Creating Reports	2	2/11/2022	3,5	
6	Mailing Labels	1	4/11/2022	1	
	UNIT-V				
1	MS – FrontPage: Introduction	1	7/11/2022	3,5	
2	Create and Manage Complete Websites	2	14/11/2022 15/11/2022	1 3	
3	Format Websites	2	16/11/2022	3,5	
4	Creating a Web page with without Wizards	1	21/11/2022	3,5	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR : AUG 2022 – DEC 2022

y Name: **V.KALPANA** Subject: **Problem Solving Techniques**

t Code: **19UCSE03** Year / Semester: **III CS " B " / V**

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
Introduction	1	4/8/22	5th hr	V.Kalpana
Program and Algorithms	1	5/8/22	3rd hr 6th hr	V.Kalpana
Problem Solving Aspect	2	10/8/22 12/8/22	5th hr 3rd hr	V.Kalpana
Top-Down Design	1	13/8/22	1st hr	V.Kalpana
Construction of Loops	2	17/8/22 18/8/22	1st hr 3rd hr	V.Kalpana
Implementation of Algorithm	2	18/8/22	5th hr	V.Kalpana
Program Verification	1	20/8/22	1st hr	V.Kalpana
Program Verification Segments	2	24/8/22 25/8/22	1st hr 5th hr	V.Kalpana
The Efficiency of algorithms	1	26/8/22	3rd hr	V.Kalpana
The Analysis of algorithms	2	26/8/22 27/8/22	6th hr 1st hr	V.Kalpana
UNIT-II				
Fundamental Algorithms, Counting	2	31.8.22 1.9.22	1st hr 5th hr	V.Kalpana
Summation of a set Number	1	2.9.22	3rd hr	V.Kalpana
Factorial Computation	2	2.9.22 3.9.22	6th hr 1st hr	V.Kalpana
Sine Function Computation	2	7.9.22 8.9.22	1st hr 6th hr	V.Kalpana
Generation of the Fibonacci sequence	2	9.9.22	3rd hr 6th hr	V.Kalpana
Reversing the digits of an integer	2	14.9.22 15.9.22	1st hr 5th hr	V.Kalpana
Base Conversation	2	16/9/22	3rd hr 6th hr	V.Kalpana

UNIT-III				
Factoring Methods	1	21/9/22	5th hr	
Finding the square root of a number	1	22/9/22	3rd hr	
The Smallest Divisor of the Integer	2	23.9.22	4th & 6th hr	
The Greatest common Divisor of the Integer	2	28/9/22 29/9/22	1st hr 5th hr	
Generating the prime Numbers	2	6 & 7/10/22	4th hr 6th hr	
Computing the Prime factors of an Integer	2	7/10/22 11.10.22	4th hr 6th hr	
Generation of Pseudo random Numbers	2	13/10/22	5th hr	
Raising a Number to a Large Power	2	14/10/22	4th hr 6th hr	
UNIT-IV				
Array Techniques	2	19.10.22 20.10.22	1st hr 5th hr	
Array Counting or Histogramming	2	21.10.22	4th hr 6th hr	
Finding the Maximum number in a set	2	26.10.22 27.10.22	1st hr 5th hr	
Removal of duplicates from an order array	2	28.10.22	4th hr 6th hr	
Partitioning an Array	2	2.11.22 3.11.22	1st hr 5th hr	
Finding the Kth Smallest Element	2	4.11.22	4th hr 6th hr	
UNIT-V				
Merging, Sorting and Searching	1	9.11.22	1st hr	
Two way Merge	2	10.11.22	5th hr	
Sorting by Exchange	2	11.11.22	4th hr 6th hr	
Sorting by Insertion	2	16.11.22 17.11.22	1st hr 5th hr	
Sorting by diminishing Increment	2	18.11.22	4th hr 6th hr	
Sorting by Partitioning	2	23.11.22 24.11.22	1st hr 5th hr	
Binary Search	2	1.12.22 2.12.22	5th hr 4th hr	

Teaching Methods: Lecture using Board, LCD , Discussion& Field Visit

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M.G.R. HOSUR – 635 130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR : AUG 2022- DEC 2023

Faculty Name: **V.KALPANA** Subject: BUSINESS APPLICATION SOFTWARE

Subject Code: 21UCSA02 Year / Semester: **I B.Com (CA) 'C' – I SEM**

No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction to Microsoft Office – MS Word	1	8/8/22	7th hr	V.Kalpana
2	Creating and Editing Documents	1	10/8/22	5-7 hr	V.Kalpana
3	Menus, Commands, Toolbars and Icons	1	16/8/22	2nd 5th hr	V.Kalpana
4	Formatting Document	1	22/8/22	4th hr	V.Kalpana
5	Creating Tables	1	23/8/22	2nd hr	V.Kalpana
6	Mail Merge	1	29/8/22	4th hr	V.Kalpana
	UNIT-II				
	Ms-Excel: Spreadsheet Overview	1	1.9.22	2nd hr	V.Kalpana
	Menus, Toolbars, Icons – Creating Worksheets.	1	2.9.22	1st hr	V.Kalpana
	Editing and Formatting	1	5.9.22	4th hr	V.Kalpana
	Excel Formulas and Functions	1	6.9.22	2nd hr	V.Kalpana
	Creating a Chart Data Forms, Sorts, Filter	2	8.9.22 9.9.22	2nd hr 1st hr	V.Kalpana
	UNIT-III				
	MS Power Point – Introduction	1	12.9.22	4th hr	V.Kalpana
	Menus – Toolbars	2	13.9.22	2nd hr 5th hr	V.Kalpana
	Text and Formats	1	27.9.22	2nd hr	V.Kalpana
	Animations – Arts and Sound	1	10.10.22	1st hr	V.Kalpana
	Making the Presentation templates	1	18/10/22	2nd hr	V.Kalpana
	UNIT-IV				
	Ms-Access: Database Overview	1	27/10/22	2nd hr	V.Kalpana
	Creating A Database	1	28/10/22	1st hr	V.Kalpana

3	Modifying Tables And Creating	1	31/10/22	4th hr	
4	Forms	1	4/11/22	1st hr	
5	Query – Creating Reports	1	7.11.22	4th hr	
6	Mailing Labels	1	11.11.22	1st hr	
	UNIT-V				
1	MS – FrontPage: Introduction	1	14.11.22	1st hr	
2	Create and Manage Complete Websites	2	17.11.22 18.11.22	2nd hr 1st hr	
3	Format Websites	2	21.11.22	4th hr	
4	Creating a Web page with without Wizards	1	25.11.22	1st hr	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

LESSON PLAN

ACADEMIC YEAR : AUG 2022 – DEC 2022

Faculty Name: V.KALPANA Subject: Fundamentals of Computers

Subject Code: 21UCSA01 Year / Semester: II B. Sc(MB) / III

S .No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction to Computers	1	8/8/22	2nd hr	V.Kalpana
2	Types of computers	2	10/8/22 11/8/22	4th hr 3rd hr	V.Kalpana
3	Characteristics of Computers	1	13/8/22	3rd hr	V.Kalpana
4	Generations of Computers: First Generation	1	16/8/22	4th hr	V.Kalpana
5	Second Generation , Third Generation	1	17/8/22	3rd hr	V.Kalpana
6	Fourth Generation, Fifth Generation.	1	18/8/22	7th hr	V.Kalpana
7	Classification of Digital Computers –Micro	1	20/8/22	3rd hr	V.Kalpana
8	Personal Computer , Portable Computers	1	22/8/22	2nd hr	V.Kalpana
9	Mini Computers ,Super Computers Main Frames	2	23/8/22 24/8/22	4th hr 3rd hr	V.Kalpana
	UNIT –II				
1	Introduction to Number System	1	25/8/22	7th hr	V.Kalpana
2	Decimal , Binary Number System	1	27/8/22	3rd hr	V.Kalpana
3	Binary-Decimal Conversion	2	29/8/22 30/8/22	2nd hr 4th hr	V.Kalpana
4	Decimal Binary Conversion	1	1/9/22	7th hr	V.Kalpana
5	Binary Addition – Binary Subtraction	2	5/9/22 6/9/22	2nd hr 4th hr	V.Kalpana
6	Complements : 9's, 10's Complement: 1's,2's Complement	2	7/9/22 8/9/22	3rd hr 7th hr	V.Kalpana
7	BCD - Bits, Bytes, Words	1	12/9/22	2nd hr	V.Kalpana
8	Octal – Hexadecimal Number System.	2	13/9/22 14/9/22	4th hr 3rd hr	V.Kalpana
	UNIT-III				
1	Anatomy of Digital Computer	2	15/9/22	7th hr	V.Kalpana
2	Functions and Components of Computer	1	19/9/22	2nd hr	V.Kalpana
3	Central Processing Unit	1	20/9/22	4th hr	V.Kalpana
4	Control Unit , Arithmetic ,Logic Unit	1	22/9/22	7th hr	V.Kalpana
5	Memory Units, Registers ,Addresses	1	26/9/22	2nd hr	V.Kalpana
6	RAM, ROM, PROM	2	27/9/22	7th hr	V.Kalpana

7	EPROM, EEPROM, Flash Memory	1	27/9/22	7th hr	V.[illegible]
	UNIT IV				
1	Introduction to Input Devices	1	28/9/22	3rd hr	
2	Keyboard	1	6/10/22	7th hr	V.[illegible]
3	Mouse: Mice – Connections – Mouse pad	1	10/10/22	2nd hr	V.[illegible]
4	Trackball ,joystick	1	11/10/22	4th hr	V.[illegible]
5	Digitizing Tablet , Scanners ,Digital Camera	1	12/10/22	3rd hr	V.[illegible]
6	MICR ,OCR ,OMR , Bar Code Reader	1	13/10/22	7th hr	V.[illegible]
7	Speech Input Device ,Touch Screen ,Touch Pad ,Light Pen	1	17/10/22	2nd hr	V.[illegible]
8	Monitors :Classification of Monitors	2	18/10/22 19/10/22	4th hr 3rd hr	V.[illegible]
9	Printers	2	26/10/22 27/10/22	3rd hr 7th hr	V.[illegible]
	UNIT V				
1	Introduction to Computer Software	1	2/11/22	3rd hr	V.[illegible]
2	Operating System	1	3/11/22	7th hr	V.[illegible]
3	Utilities , Compiler and Interpreters	1	7/11/22	2nd hr	V.[illegible]
4	Word Processor , Spreadsheets ,Presentation Graphics ,DBMS	1	8/11/22	4th hr	V.[illegible]
5	Programming Languages: Machine Language , Assembly Language	2	9/11/22 14/11/22	3rd hr 2nd hr	V.[illegible]
6	High level language : Types of High Level Language	2	15/11/22 16/11/22	4th hr 3rd hr	V.[illegible]
7	Data Processing: Data VS Information	1	17/11/22	7th hr	V.[illegible]
8	File Processing ,Sequential File Processing	1	21/11/22	2nd hr	V.[illegible]
9	Direct Access file Processing	1	22/11/22	4th hr	V.[illegible]

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. College, Hosur - 635130
Department of Computer Science
Lesson Plan
Academic Year – '22 - '23

Faculty Name: Nagajothi K **Subject: Software Development in Visual Programming**
Subject Code: 21UCC12 **Year / Semester: III B.Com CA 'C' / V**
Course: B.Com CA

S.No	Topic to be Covered	Hours Planed	Date on which topic Covered	Hours on which topic Covered	Initial/ Remarked
1	Introduction to Visual Basic	1	10.8.'22	5	
2	Getting Started	1	11.8.'22	6	
3	Working with VB	2	12.8.'22	1.5	
4	The initial VB Screen	1	13.8.'22	4	
5	The SDI Environment	1	16.8.'22	3	
6	Tool Bar	1	17.8.'22	5	
7	Tool Box	1	18.8.'22	6	
8	Custom control and Component	1	20.8.'22	4	
9	The Property Window	1	23.8.'22	3	
10	Common Form Property	1	24.8.'22	5	
11	Scale and Color Property	1	25.8.'22	6	
	Unit - 2				
1	Building the User Interface	2	26.8.'22	1.5	
2	Tool Box	1	27.8.'22	4	
3	Creating Controls	1	30.8.'22	3	
4	Name Property	1	2.9.'22	5	
5	Property of Command Button	1	3.9.'22	4	
6	Image Control	1	6.9.'22	6	
7	Text Box and Labels	1	7.9.'22	5	
8	Message Box	1	8.9.'22	6	
9	Grid	1	9.9.'22	5	
10	Anatomy of VB Application	1	10.9.'22	4	

11	The Code Window	1	13.9.'22	3	
12	Statement in VB	1	14.9.'22	5	
13	Variables and Data Types	1	15.9.'22	6	
14	Working with variables	1	16.9.'22	1	
15	Constant in Input Variables	1	17.9.'22	4	

Unit - 3

1	Display Information on a Form	1	20.9.'22	3	
2	The Format Function	2	21.9.'22	1, 5	
3	Picture Box	1	22.9.'22	6	
4	Rich Text Box	1	23.9.'22	5	
5	The Printer Object	1	24.9.'22	4	
6	Determinate Loop	1	27.9.'22	3	
7	Indeterminate Loop	1	28.9.'22	5	
8	Making Decision	1	29.9.'22	6	
9	Select Case	1	30.9.'22	1	
10	Nested If, Then, The GoTo String Function	1	6.10.'22	6	
11	Numeric function	1	7.10.'22	1	
12	Date and Time Functions	1	8.10.'22	4	
13	Financial Function	1	11.10.'22	3	

Unit - 4

1	Function Procedure	2	12.10.'22	1, 5	
2	Sub Procedure	1	13.10.'22	6	
3	Advance Case of Procedure and Function	1	14.10.'22	1	
4	List: One Dimensional Array	1	18.10.'22	3	
5	Array with More then One Dimensional Arry	1	19.10.'22	5	
6	Using List and Array with Function and Procedure	1	20.10.'22	6	
7	The With Statement	1	21.10.'22	5	
8	Enums	1	22.10.'22	4	
9	Control Array	1	26.10.'22	5	
10	List and Combo Boxes	1	27.10.'22	6	

1	Menus and Menu Editor	2	28.10.'22	4,5	
2	MDI Forms	1	30.10.'22		
	Unit - 5				
	Introduction to DB	1	1.11.'22	3	
	Working with Data Controls: Data Control	1	3.11.'22	6	
	Bound Control	1	8.11.'22	5	
	Coding	1	10.11.'22	6	
	Data Access Object(DAO): Function of the Jet DB Object	1	16.11.'22	5	
	DAO Object Model	1	17.11.'22	6	
	Crystal and Data Reports: Crystal Report	1	23.11.'22	5	
	Data Report	1	29.11.'22	3	
	Creating Multiple Reports	1	1.12.'22	6	

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

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M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR : 2022- 2023

lty Name: Nagajothi K **Subject: Computer Networks**

ect Code: 19UCS08 **Year / Semester: II B.Sc. CS 'B' – III SEM**

se: B.Sc (Computer Science)

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
Introduction – Network Hardware	1	10.8.'22	6	
Software	1	15.8.'22	1	
Reference Models - OSI Models	1	23.8.'22	4	
TCP/IP Models	1	26.8.'22	3	
Example Networks: Internet, ATM, Ethernet and Wireless LANs	1	29.8.'22	1	
Physical Layer	1	12.9.'22	6	
Theoretical Basis for Data Communication	1	12.9.'22	1	
Guided Transmission Media	1	14.9.'22	4	
UNIT-II				
Wireless Transmission	2	19.9.'22	2.6	
Communication Satellites	1	20.9.'22	1	
Telephone System: Structure, Local Loop	1	21.9.'22	4	
Trunks and Multiplexing and Switching	2	23.9.'22	3	
Data Link Layer: Design Issues	1	26.9.'22	6	
Error Detection and Correction	1	27.9.'22	1	
UNIT-III				
Elementary Data Link Protocols	1	27.9.'22	1	
Sliding Window	2	28.9.'22	4	
Data Link Layer in the Internet	1	30.9.'22	3	
Medium Access Layer	1	7.10.22	2	
Channel Allocation Problem	1	10.10.22	6	

ultiple Access Protocols - Bluetooth	2	11.10.'22	1	
UNIT-IV				
etwork Layer - Design Issues	1	12.10.'22	4	
outing Algorithms	2	14.10.'22	1,5	
ongestion Control Algorithms	2	17.10.'22	2,6	
P Protocol - IP Addresses	2	18.10.'22	1	
nternet Control Protocols	1	26.10.'22	4	
UNIT-V				
ransport Layer - Services	2	31.10.'22	2.6	
onnection Management	1	1.11.'22	1	
ddressing, Establishing and Releasing a onnection	2	2.11.'22	4,2	
imple Transport Protocol	1	7.11.'22	6	
ternet Transport Protocols (ITP)	1	11.11.'22		
etwork Security: Cryptography	2	16.11.'22	4,2	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

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M.G.R. College, Hosur - 635130
Department of Computer Science
Lesson Plan
Academic Year – 2022- 2023

Name: Nagajothi K
Code: 19UCSSP01
B.Sc (Computer Science)

Subject: Shell Programming LAB
Year / Semester: III B.Sc CS 'A' / V

Topic to be Covered	Hours Planed	Date on which topic Covered	Hours on which topic Covered	Initial/ Remarked
Write a Shell Script to stimulate the file Commands: rm, cp, cat, mv, wc, split, diff.	2	22.8.'19	1,2	
Write a Shell Script to show the following System Configuration: o Currently logged user and his log name. o Current Shell, Home Directory, Operating System Type, Current Path Setting, Current Working Directory. o Show Currently Logged number of users, Show available Shells. o Show CPU information like Processor type, Speed o Show Memory Information.	2	28.'19	1,2	
Write a Shell Script to implement the following: pipes, redirection and tee commands	2	5.9.'19	1,2	
Write a shell Script for displaying Current date, user name, file listing and directories by getting user choice.	2	5.9.'19	1,2	
Write a Shell Script to implement the filter commands.	2	12.9.'19	1,2	
Write a Shell Script to remove the files which has file size as zero bytes.	2	12.9.'19	1,2	
Write a Shell Script to find the sum of the individual digits of a given numbers.	2	19.9.'19	1,2	
Write a Shell Script to find the greatest among the given set of numbers using command line arguments.	2	26.9.'19	1,2	
Write a Shell Script for palindrome checking	2	10.10.'19	1,2	
Write a Shell Script to Print the multiplication table of the given argument using for loop.	2	17.10.'19	1,2	

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M.G.R. College, Hosur - 635130
Department of Computer Science
Lesson Plan
Academic Year – 2022-2023

Name: Nagajothi K
Code: 19UCS5P01
: B.Sc (Computer Science)

Subject: Shell Programming
Year / Semester: III B.Sc CS 'B' / V

Topic to be Covered	Hours Planed	Date on which topic Covered	Hours on which topic Covered	Initial/ Remarked
Write a Shell Script to stimulate the file Commands: rm, cp, cat, mv, wc, split, diff.	2	22.8.'22	3,4	
Write a Shell Script to show the following System Configuration: o Currently logged user and his log name. o Current Shell, Home Directory, Operating System Type, Current Path Setting, Current Working Directory. o Show Currently Logged number of users, Show available Shells. o Show CPU information like Processor type, Speed o Show Memory Information.	2	2.9.'19	3,4	
Write a Shell Script to implement the following: pipes, redirection and tee commands	2	5.9.'19	3,4	
Write a shell Script for displaying Current date, user name, file listing and directories by getting user choice.	2	5.9.'19	3,4	
Write a Shell Script to implement the filter commands.	2	12.9.'19	3,4	
Write a Shell Script to remove the files which has file size as zero bytes.	2	12.9.'19	3,4	
Write a Shell Script to find the sum of the individual digits of a given numbers.	2	19.9.'19	3,4	
Write a Shell Script to find the greatest among the given set of numbers using command line arguments.	2	26.9.'19	3,4	
Write a Shell Script for palindrome checking	2	10.9.'19	3,4	
Write a Shell Script to Print the multiplication table of the given argument using for loop.	2	17.9.'19	3,4	

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M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR : AUG 2022 – DEC 2022

Faculty Name: **P.SHALINI** Subject: **Problem Solving Techniques**

Subject Code: **19UCSE03** Year / Semester: **III CS " A" / V**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction	1	04/08/22	4 hr	
2	Program and Algorithms	1	06/8/22	2 hr	
3	Problem Solving Aspect	2	8/8/22 9/8/22	3hr, 2hr	
4	Top-Down Design	1	10/8/22	4 hr	
5	Construction of Loops	2	11/8/22 13/8/22	4hr, 2hr	
6	Implementation of Algorithm	2	17/8/22	4hr, 2hr	
7	Program Verification	1	18/8/22 21/8/22	4hr, 2hr	
8	Program Verification Segments	2	24/8/22	4 hr, 6hr	
9	The Efficiency of algorithms	1	25/8/22	4 hr	
10	The Analysis of algorithms	2	29/8/22 30/8/22	3hr, 2hr	
	UNIT-II				
1	Fundamental Algorithms, Counting	2	01/09/22 03/09/22	4 hr, 2 hr	
2	Summation of a set Number	1	05/09/22 06/09/22	3 hr, 2 hr	
3	Factorial Computation	2	07/09/22	4 hr, 6 hr	
4	Sine Function Computation	2	08/09/22 10/09/22	4 hr, 2 hr	
5	Generation of the Fibonacci sequence	2	12/9/22 13/9/22	3 hr, 2hr, 7hr	
6	Reversing the digits of an integer	2	14/9/22	4hr, 6hr	
7	Base Conversation	2	17/9/22 19/9/22	3hr, 2hr, 7hr	

	UNIT-III				
1	Factoring Methods	1	20/9/22	2 hr	
2	Finding the square root of a number	1	21/9/22	4 hr	
3	The Smallest Divisor of the Integer	2	26/9/22 27/9/22	3 hr, 2 hr	
4	The Greatest common Divisor of the Integer	2	28/9/22	4 hr, 6 hr	
5	Generating the prime Numbers	2	6/10/22 8/10/22	4, 2 hr	
6	Computing the Prime factors of an Integer	2	10/10/22 11/10/22	3, 2 hr	
7	Generation of Pseudo random Numbers	2	15/10/22 17/10/22	2 hr, 3 hr	
8	Raising a Number to a Large Power	2	18/10/22	2 hr 7 hr	
	UNIT-IV				
1	Array Techniques	2	31/10/22 01/11/22	3 hr, 2 hr	
2	Array Counting or Histogramming	2	02/11/22	4, 6 hr	
3	Finding the Maximum number in a set	2	7/11/22 8/11/22	3, 2 hr	
4	Removal of duplicates from an order array	2	10/11/22	4 hr	
5	Partitioning an Array	2	12/11/22 14/11/22	3, 2 hr	
6	Finding the K^{th} Smallest Element	2	16/11/22	3 hr, 2 hr	
	UNIT-V				
1	Merging, Sorting and Searching	1	21/11/22 22/11/22	3 hr, 2, 7 hr	
2	Two way Merge	2	23/11/22	4 hr, 6 hr	
3	Sorting by Exchange	2	26/11/22 28/11/22	2 hr, 3 hr	
4	Sorting by Insertion	2	29/11/22	3 hr, 7 hr	
5	Sorting by diminishing Increment	2	30/11/22	4, 6 hr	
6	Sorting by Partitioning	2	01/12/22	2 hr, 5 hr	
7	Binary Search	2	02/12/22	3, 6 hr	

Teaching Methods: Lecture using Board, LCD, Discussion& Field Visit

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M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

alty Name: **SHALINI P** Subject: **OPERATING SYSTEM**

ject Code: 19UCS07 Year / Semester: **III COMPUTER SCIENCE " B "**

So	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
	Introduction	1	03/08/22	2hr	
	History of operating system	1	04/08/22	3,6hr	
	Different Kinds of operating system	2	05/08/22	2,5hr	
	Operation system concepts	2	06/08/22 08/08/22	4,6hr	
	System calls	2	10/08/22 11/08/22	2,5,6	
	Operating System Structure	2	11/08/22 12/08/22	1,3,6	
	UNIT-II				
	Processes and Threads	2	13/08/22 15/08/22	4,7hr	
	Processes	1	17/08/22	2hr	
	Threads	1	18/08/22	2hr	
	Threads Model and Usage	2	19/08/22 20/08/22	2hr,5,4hr	
	Inter Process Communication	2	22/08/22 24/08/22	7,2hr	
	UNIT-III				
	Scheduling	2	25/08/22	3,6hr	
	Memory Management	2	26/08/22	2,5hr	
	Memory Abstraction	2	27/08/22 29/08/22	4,7hr	
	Virtual Memory	2	31/09/22 1/09/22	2,3hr	
	Page Replacement Algorithms	2	2/9/22	2hr,5hr	
	UNIT-IV				
	Deadlocks	2	3/9/22 5/9/22	4,7hr	
	Resources	2	7/9/22 8/9/22	2,3,4hr	
	Introduction to Deadlocks	2	9/9/22	2,5hr	

Deadlocks detection and recovery	2	14/9/22 15/9/22	2hr, 3hr	
Deadlocks Avoidance	2	16/9/22	2, 5hr	
Deadlock Prevention	2	21/9/22 22/9/22	2, 3hr	
Multiple Processor System	2	28/9/22 29/9/22	3, 6hr	
Multiprocessors	1	6/10/22	3, 6hr	
Multicomputers	1	7/10/22	2hr	
UNIT-V				
Input/Output	1	13/10/22	3hr	
Principles of I/O Hardware	1	19/10/22	2hr	
Principles of I/O Software	1	21/10/22	2hr	
Files Systems	1	02/11/22	3hr, 6hr	
Files	1	04/11/22	2hr	
Directories	1	16/11/22	2hr	
File Systems Management and Optimization	2	18/11/22	2, 5hr	

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan
ACADEMIC YEAR :2022-23

ıe: **SHALINI P** Subject: **Management Information System**

e: 19UBXA01 Year / Semester: **III BBA**

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
duction	1	05/08/22	4 hr	
ronment of Organizations	1	08/08/22	1, 5 hr	
agement Information System	2	11/08/22 12/08/22	1,4 hr	
rmation Flow	2	16/08/22	3,5 hr	
d and Sources	2	22/08/22	1,5 hr	
nagement Decisions	2	25/08/22 26/08/22	1,4 hr	
ortance and Role	2	29/08/22	1,5 hr	
UNIT-II				
racteristics of Computer Information tem	2	01/09/22 02/09/22	1 hr, 4 hr	
ortance of Computer	2	08/09/22 09/09/22	1, 4 hr	
e of the Computer	2	12/09/22	1, 5 hr	
es of Computer	2	13/09/22	3, 5 hr	
tware, Hardware	2	15/09/22	1, 4 hr	
U,MU	2	19/09/22 20/09/22	5 hr, 3 hr, 5 hr	
ut,Output	2	22/09/22 23/09/22	1, 4 hr	
plication and Operations	2	24/09/22	1, 5 hr	

UNIT-III				
em Classfication	1	27/07/22	3 hr	
cept Characteristics,Elements	2	03/10/22	1hr,5hr	
dback control	1	04/10/22	3hr,5hr	
ndary	1	06/10/22	1 hr	
ctions and Operations	2	10/10/22	1,5 hr	
tem Design	2	11/10/22	3,5 hr	
ction of System Analyst Assignment l Investigation	2	13/10/22 14/10/22	1,4 hr	
plementation	1	17/10/22	1 hr	
luation and Maintenance of MIS	2	18/10/22 20/10/22	3,5, 1 hr	
UNIT-IV				
nsaction Processing Information tems	2	31/10/22	1hr,5hr	
ormation Systems for Managers	1	01/11/22	3hr,5hr	
elligence System	2	03/11/22 04/11/22	1,4 hr	
cision Support System	2	07/11/22	1,5hr	
egration, Data Collection and Preparation	2	08/11/22	3,5 hr	
tabase	2	10/11/22 11/11/22	1,4hr	
mponents Utility of the operation of the abase Technology	2	14/11/22	1hr,5hr	
UNIT-V				
nctional Management Information stems	2	15/11/22	3hr,5hr	
oduction,Marketing	2	17/11/22 18/11/22	1 hr,4 hr	
counting Personnel,Financial	2	21/11/22	1,5 hr	
lationship	1	22/11/22	3hr	
pact and Their role in the Managerial cision	2	28/11/22	1,5 hr	
aking	1	29/11/22	3,5 hr	

Teaching Methods: Lecture using Board, LCD,Discussion& Field Visit

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M.G.R. HOSUR – 635 130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-2023

Name: **JAYANTHI S** Subject: **COMPUTER NETWORKS**

Code: **21UCS05** Year / Semester: **II B.Sc. CS 'C' – III SEM**

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
Introduction – Network Hardware	1	2.8.22	2	J. Tuya
Software	1	10.8.22	3	J. Tuya
Reference Models - OSI Models	1	16.8.22	2	J. Tuya
TCP/IP Models	1	23.8.22	3	J. Tuya
Example Networks: Internet, ATM, Ethernet and Wireless LANs	1	26.8.22	6	J. Tuya
Physical Layer	1	2.9.22	3	J. Tuya
Theoretical Basis for Data Communication	1	14.9.22	2	J. Tuya
Guided Transmission Media	1	17.9.22	3	J. Tuya
UNIT-II				
Wireless Transmission	2	19.9.22	2	J. Tuya
Communication Satellites	1	20.9.22	3	J. Tuya
Telephone System: Structure, Local Loop	1	21.9.22	2	J. Tuya
Trunks and Multiplexing and Switching	2	23.9.22	3	J. Tuya
Data Link Layer: Design Issues	1	26.9.22	6	J. Tuya
Error Detection and Correction	1	27.9.22	2	J. Tuya
UNIT-III				
Elementary Data Link Protocols	1	28.9.22	3	J. Tuya
Sliding Window	2	29.9.22	2	J. Tuya
Data Link Layer in the Internet	1	30.9.22	3	J. Tuya
Medium Access Layer	1	7.10.22	6	J. Tuya
Channel Allocation Problem	1	10.10.22	2	J. Tuya
Multiple Access Protocols - Bluetooth	2	11.10.22	2	J. Tuya

	UNIT-IV				
1	Network Layer - Design Issues	1	12.10.22	3	J. Tuyu
2	Routing Algorithms	2	14.10.22	6	J. Tuyu
3	Congestion Control Algorithms	2	17.10.22	2	J. Tuyu
4	IP Protocol - IP Addresses	2	18.10.22	2	J. Tuyu
5	Internet Control Protocols	1	26.10.22	2	J. Tuyu
	UNIT-V				
1	Transport Layer - Services	2	31.10.22	2	J. Tuyu
2	Connection Management	1	1.11.22	3	J. Tuyu
3	Addressing, Establishing and Releasing a Connection	2	2.11.22	2	J. Tuyu
4	Simple Transport Protocol	1	7.11.22	3	J. Tuyu
5	Internet Transport Protocols (ITP)	1	11.11.22	6	J. Tuyu
6	Network Security: Cryptography	2	16.11.22	3	J. Tuyu

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

J. Tuyu
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M.G.R.COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Faculty Name: **S. JAYANTHI** Subject: **Computer Application for Automation**

Subject Code:**21UCSN02** Year / Semester: **II B. Sc (Maths &English) / III SEM**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction to Computers	2	3.8.2022	IV	J. Thy
2	Importance of Computers	1	4.8.2022	VI	J. Thy
3	History of Computers	1	10.8.2022	II	J. Thy
4	Anatomy of Computers	2	16.8.2022	II	J. Thy
	UNIT-II				
1	MS-Word: Basics	2	2.9.22	IV	J. Thy
2	Do's and Don'ts	1	5.9.2022	VI	J. Thy
3	Menus	1	9.9.2022	II	J. Thy
4	Commands	1	14.9.2022	IV	J. Thy
5	Tool Bars	1	19.9.22	II	J. Thy
6	Icons	1	26.9.2022	VI	J. Thy
7	Word Formatting Tool Bar	1	28.9.2022	IV	J. Thy
	UNIT-III				
1	MS-Excel: Basics	2	6.10.2022	VI	J. Thy
2	Do's and Don'ts	1	7.10.2022	II	J. Thy
3	Menus	1	22.10.2022	VI	J. Thy
4	Commands	1	26.10.2022	IV	J. Thy
5	Tool Bars	1	27.10.2022	II	J. Thy
6	Icon	2	30.10.2022	IV	J. Thy
	UNIT-IV				
1	MS-PowerPoint: Basics	2	1.11.2022	II	J. Thy
2	Menus	1	2.11.2022	VI	J. Thy
3	Tool Bars	1	4.11.2022	IV	J. Thy

4	Navigation	2	5/11/2022	VI	A. Tulasi
	UNIT-V				
1	MS-Access: Introduction	1	7/11/2022	IV	A. Tulasi
2	Parts of an Window	1	9/11/2022	II	A. Tulasi
3	Creating a New Data Base	1	11/11/2022	VI	A. Tulasi
4	Table Wizard	1	15/11/2022	IV	A. Tulasi
5	Renaming	1	18/11/2022	II	A. Tulasi
6	Saving the Database	1	22/11/2022	VI	A. Tulasi
7	Relationships	1	24/11/2022	IV	A. Tulasi
8	Query – Form – Reports	1	1/12/2022	VI	A. Tulasi
9	Exiting MS-Access	1	3/12/2022	II	A. Tulasi

Teaching Methods: Lecture using Board, LCD,Discussion& Field Visit

A. Tulasi

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R.COLLEGE, HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-2023

Faculty Name: **S. JAYANTHI** Subject: **Computer Application for Automation**

Subject Code:**21UCSN02** Year / Semester: **II BAA 'B' / III SEM**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction to Computers	2	2.8.2022	4,5	d.Tuy1
2	Importance of Computers	1	10.8.2022	1	d.Tuy1
3	History of Computers	1	16.8.2022	4	d.Tuy1
4	Anatomy of Computers	2	2.9.2022	4,5	d.Tuy1
	UNIT-II				
1	MS-Word: Basics	2	14.9.2022	4,5	d.Tuy1
2	Do's and Don'ts	1	19.9.2022	1	d.Tuy1
3	Menus	1	23.9.2022	4	d.Tuy1
4	Commands	1	26.9.2022	5	d.Tuy1
5	Tool Bars	1	28.9.2022	4	d.Tuy1
6	Icons	1	29.9.2022	5	d.Tuy1
7	Word Formatting Tool Bar	1	6.10.22	1	d.Tuy1
	UNIT-III				
1	MS-Excel: Basics	2	7.10.22	4,5	d.Tuy1
2	Do's and Don'ts	1	21.10.22	5	d.Tuy1
3	Menus	1	22.10.2022	1	d.Tuy1
4	Commands	1	26.10.2022	4	d.Tuy1
5	Tool Bars	1	27.10.2022	5	d.Tuy1
6	Icon	2	30.10.2022	1	d.Tuy1
	UNIT-IV				
1	MS-PowerPoint: Basics	2	1.11.2022	4,5	d.Tuy1
2	Menus	1	2.11.2022	4	d.Tuy1
3	Tool Bars	1	4.11.2022	1	d.Tuy1

	Navigation	2	5/11/2022	4	[illegible]
	UNIT-V				
	MS-Access: Introduction	1	7/11/2022	1	[illegible]
	Parts of an Window	1	9/11/22	4	[illegible]
	Creating a New Data Base	1	11/11/2022	5	[illegible]
	Table Wizard	1	15/11/2022	4	[illegible]
	Renaming	1	18/11/2022	1	[illegible]
	Saving the Database	1	22/11/22	5	[illegible]
	Relationships	1	24/11/2022	1	[illegible]
	Query – Form – Reports	1	1/12/2022	4	[illegible]
	Exiting MS-Access	1	3/12/2022	5	[illegible]

Teaching Methods: Lecture using Board, LCD,Discussion& Field Visit

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M.G.R.COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

culty Name: **S. Jayanthi**
bject Code: **21UCSSP01**

Subject: OFFICE AUTOMATION LAB
Year / Semester: **II BSC(CS)"B"SEC** – III

No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	MS WORD				
	Text manipulation: write a paragraph about your institution and change the font size, and type spell check	2	25/08/2022	1,2	d.Tuy
	Bio data: prepare a Bio data	2	1/09/2022	1,2	d.Tuy
	Find and replace: write a paragraph about yourself and do the following.	2	8/9/2022	1,2	d.Tuy
	Find and replace-use numbering bullets, footer and Header.	2	15/9/2022	1,2	d.Tuy
	Table and manipulation: creation, insertion, deletion (columns and rows) create a mark sheet.	2	22/9/2022	1,2	d.Tuy
	Mail merge: prepare an invitation to invite your friends to your birthday party. prepare at least five letters	2	29/9/2022	1,2	d.Tuy
	MS EXCEL				
	Data sorting-ascending and descending(both numbers &alphabets)	2	31/9/2022	1,2	d.Tuy
	Mark list preparation for a student	2	6/10/2022	1,2	d.Tuy
	Individual pay bill preparation	2	13/10/2022	1,2	d.Tuy
	Invoice report preparation	2	20/10/2022	1,2	d.Tuy
	Drawing graphs take your own table	2	27/10/2022	1,2	d.Tuy
	MS POWER POINT				
	Create a slide show presentation for a seminar	2	05/11/2022	1,2	d.Tuy
	Prepare of organization charts	2	10/11/2022	1,2	d.Tuy
	Create a slide show presentation to display percentage students	2	17/11/2022	1,2	d.Tuy
	Use bar chart (X-axis: semester ,Y- axis %mark)	2	17/11/2022	1,2	d.Tuy
	Use different presentation template	2	19/11/2022	1,2	d.Tuy

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M.G.R.COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Subject: **Computer Application for Automation**

ulty Name: N.Sathya

Year / Semester: **II BBA 'A' / III SEM**

ject Code:**21UCSN02**

o	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
	Introduction to Computers	2	2.8.2022	1, 4	N.S
	Importance of Computers	1	16.8.2022	5	N.S
	History of Computers	1	20.8.2022	7	N.S
	Anatomy of Computers	2	23.8.2022	1, 4	N.S
	UNIT-II				
	MS-Word: Basics	2	02.9.2022	6, 7	N.S
	Do's and Don'ts	1	19.9.2022	1	N.S
	Menus	1	21.9.2022	5	N.S
	Commands	1	23.9.2022	7	N.S
	Tool Bars	1	26.9.2022	1	N.S
	Icons	1	27.9.2022	5	N.S
	Word Formatting Tool Bar	1	30.9.2022	7	N.S
	UNIT-III				
	MS-Excel: Basics	2	7.10.2022	6, 7	N.S
	Do's and Don'ts	1	10.10.2022	1	N.S
	Menus	1	11.10.2022	5	N.S
	Commands	1	13.10.2022	7	N.S
	Tool Bars	1	18.10.2022	1	N.S
	Icon	2	20.10.2022	1.4	N.S
	UNIT-IV				
	MS-PowerPoint: Basics	2	22.10.2022	6, 7	N.S
	Menus	1	31.10.2022	1	N.S
	Tool Bars	1	3.11.2022	5	N.S

Navigation	2	4.11.2022	6, 7	N.S
UNIT-V				
MS-Access: Introduction	1	5.11.2022	1	N.S
Parts of an Window	1	7.11.2022	5	N.S
Creating a New Data Base	1	9.11.2022	7	N.S
Table Wizard	1	11.11.2022	1	N.S
Renaming	1	14.11.2022	5	N.S
Saving the Database	1	16.11.2022	7	N.S
Relationships	1	18.11.2022	1	N.S
Query – Form – Reports	1	22.11.2022	5	N.S
Exiting MS-Access	1	24.11.2022	7	N.S

N. Sathiya

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M.G.R.COLLEGE,HOSUR

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Internal Quality Assurance Cell

Department of Computer Science

LESSON PLAN

Even Semester

2022– 2023

2022-2023

EVEN SEMESTER

M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
LESSON PLAN
ACADEMIC YEAR :2022-23

Faculty Name: Dr. D. SANTHI JESLET
Subject Code: 19UCSP06
Subject: Programming in Java Practical
Year / Semester : III / VI

Course : B.Sc (Computer Science)

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
1	Write a program to find the Area of Square, Rectangle and Circle using Method Overloading.	3	27.01.23	5-7hrs	27/1/23
2	Write a program to sort the list of numbers using Command Line Arguments	3	27.01.23	5-7hrs	27/1/23
3	Write a program to multiply the given two matrices	3	10.02.23		10/2/23
4	Write a program to design a class to represent a bank account. Include the following: Data Members: Name of the depositor, Account number, Type of account, and Balance amount in the account. Methods: To assign initial values, To deposit an amount, To withdraw an amount after checking balance, and To display the name and balance.	3	10.02.23	5-7hrs	
5	Write a program that import the user defined package and access the Member variable of classes that contained by Package	3	17.02.23		17/2/23
6	Write a program to handle the Exception using try and multiple catch blocks.	3	24.02.23		24/2/23
7	Write a program to illustrate the use of multi threads	3	03.03.23		3/3/23
8	Write a program to create student registration form using applet with Name, Address, Sex, Class, Email-id.	3	10.03.23		10/3/23
9	Write a program to draw the line, rectangle, oval, text using the graphics method	3	24.03.23		24/2/23
10	Write a program to create a sequential file that could store details about five products. Details include product code, cost, and number of items available and are provided through the keyboard. Compute and print the total value of all the five products	3	24.03.23		24/3/23

Teaching Methods: Lecture using Board, LCD & Discussion

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M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

Faculty Name: **Dr.D.SANTHI JESLET** Subject: **PROFESSIONAL ENGLISH –II**

Subject Code: **20UPES02** Year / Semester : **I/II**

Course:**I- BSC CS**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I COMMUNICATIVE COMPETENCE				
1.	Calculus can save life	1	23.01.23	4th hr	
2.	Group Discussion	1	30.01.23	1st hr	
3.	Coding as a creative art	1	02.02.23	7th hr	
4.	Listening Comprehension	1	06.02.23	2nd hr	
5.	Post- listening Activities	1	09.02.23	1st hr	
6.	Relativity of space and time	1	13.02.23	2nd hr	
7.	Task and answers	1	16.02.23	1st hr	
8.	The spirit of chemical sciences	1	20.02.23	2nd hr	
9.	Task and answers	1	23.02.23	1st hr	
	UNIT-II PERSUASIVE COMMUNICATION				
1.	Counting the sequence	1	27.02.23	2nd hr	
2.	Task and answers	1	02.03.23	2nd hr	
3.	Comprehension	1	06.0323	2nd hr	
4.	Pronunciation practices	1	09.0323	1st hr	
6.	Robots come in peace	1	10.0323	7th hr	
7.	Artificial intelligence	1	13.03.23	3rd hr	
8.	Group discussion	1	16.03.23	2nd hr	
9.	Essay writing	1	20.03.23	3rd hr	
10.	Reading activities	1	23.03.23	2nd hr	
11.	Electronic fitness tracker	2	27.03.23	3rd hr & 7th hr	
12.	Sequencing the sentences	1	30.03.23	2nd hr	
13.	Lavoiser – The Father Of Modern Chemistry	2	03.04.23	3rd hr 4th hr	
14.	Post listening activities	1	06.04.23	2nd hr	

UNIT-III- DIGITAL COMPETENCE

1.	The Fibonacci Around Us	2	10.04.23	3rd hr 4th hr	
2.	Reading and listening activities	1	13.04.23	2nd hr	
3.	Post listening activities	1	15.04.23	2nd hr	
4.	Oral fluency activity	1	17.04.23	2nd hr	
5.	Story building	1	19.04.23	3rd hr	
6.	Software Localization And Social Justice	1	20.04.23	2nd hr	
7.	Post reading activity	1	25.04.23	6th hr	
8.	Digital Competence For Academic And Professional Life	1	27.04.23	2nd hr	
9.	Electronic Warfare And Defence	1	27.04.23	2nd hr	
10.	Electronic attack	1	28.04.23	2nd hr	
11.	Post reading activity	1	2.05.23	2nd hr	
12.	Phosgene - The Deadly Villain Of The Bhopal Gas Tragedy	1	2.05.23	3rd hr	

UNIT-IV CREATIVITY AND IMAGINATION

1.	Walking On Water Like A Water Strider: A Glimpse On Surface Tension	1	03.05.23	2nd hr	
2.	Surface Tension	1	04.05.23	2nd hr	
3.	Post writing activities	1	04.05.23	3rd hr	
4.	Pre Reading Activity	1	05.05.23	2nd hr	
5.	The Invention Story Of Barcodes	1	08.05.23	3rd hr	
6.	Phrases , nouns, verbs	1	08.05.23	4th hr	
7.	Acid-Base Chemistry With At-Home Volcanoes	2	09.05.23	5th hr	
8.	Post reading activities	1	10.05.23	3rd hr	
9.	Ada And Her Breakthrough In Analytical Engine	2	10.05.23	4th hr	
10.	Creating Web Pages, Blogs, Flyers And Brochures	1	11.05.23	1st hr	

UNIT-V WORKPLACE COMMUNICATION & BASICS OF ACADEMIC WRITING

1.	Workplace Communication	1	11.05.23	5th hr	
2.	Academic Powerpoint Presentation	1	11.05.23	6th hr	
3.	Preparation of an effective PPT	1	12.05.23	2nd hr	
4.	Post reading activities	1	12.05.23	3rd hr	

5.	Artificial Intelligence - Siri, Cortana, And Alexa Carry The Marks Of Their Human Makers	1	12.05.23		13/5/23
6.	Post reading activities	1	12.05.23		
7.	Pre reading activities	1	13.05.23		13/5/23
8.	Phython programming introduction	1	13.05.23		
9.	Product description	1	15.05.23	1st hr	15/5/23
10.	Writing Minutes Of A Meeting	1	15.05.23	3rd hr	
11.	The Physics Of Sound	1	15.05.23	4th hr	
12.	Writing paraphases	1	15.05.23	5th hr	
13.	Punctuation	1	15.05.23	6th hr	
14.	Capitalization	1	15.05.23	7th hr	

→ special class

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

10/5/23

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5.	Artificial Intelligence - Siri, Cortana, And Alexa Carry The Marks Of Their Human Makers	1	12.05.23		13/5/23
6.	Post reading activities	1	12.05.23		
7.	Pre reading activities	1	13.05.23		13/5/23
8.	Phython programming introduction	1	13.05.23		
9.	Product description	1	15.05.23	1st hr	15/5/23
10.	Writing Minutes Of A Meeting	1	15.05.23	3rd hr	
11.	The Physics Of Sound	1	15.05.23	4th hr	
12.	Writing paraphases	1	15.05.23	5th hr	
13.	Punctuation	1	15.05.23	6th hr	
14.	Capitalization	1	15.05.23	7th hr	

→ special class

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

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M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
LESSON PLAN
ACADEMIC YEAR :2022-23

Faculty Name : **DR. D. SANTHI JESLET** Subject: **Programming in JAVA**

Subject Code : 19UCS01 Year / Semester : **III / VI**

Course: **B.Sc 'B'**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I(12)				
1.	Java Evolution	1	25.01.23	4th hr	25/1/23
2.	Simple Java Program	2	25.01.23 06.02.23	6th 6th	25/1/23 6/2/23
3.	Java program structure	1	08.02.23	4th hr	8/2/23
4.	Java Tokens, Java Statements , JVM	2	08.02.23 09.02.23	6th hr 3rd hr	8/2/23 9/2/23
5.	Command Line Arguments	2	09.02.23 13.02.23	6th hr 6th hr	9/2/23 13/2/23
6.	Constants, Variables	2	14.02.23 15.02.23	2nd hr 6th hr	14/2/23 15/2/23
7.	Data Types, Operators and Expressions	2	16.02.23	3rd hr 5th hr	16/2/23
	UNIT-II(20)				
1	Decision Making and Branching: Introduction, Decision Making with if Statemen, Simple if Statement, if...else Statement, Nesting of if...else Statement, else if Ladder	2	17.02.23	5th hr 6th hr	17/2/23
2	Switch Statement,?: Operator. Decision Making and Looping: Introduction , While Statement, Do Statement	2	17.02.23 20.02.23	7th hr 6th hr	17/2/23 20/2/23
3	For Statement, Jumps in Loops, Labelled Loops.	2	21.02.23	2nd hr 6th hr	21/2/23
4	Classes, Objects and Methods: Introduction, Defining a Class, Fields Declaration, Methods Declaration	2	22.02.23	4th hr 6th hr	22/2/23
5	Creating Objects, Accessing Class Members ,Constructors.	2	27.02.23	3rd hr 5th hr	27/2/23
6	Methods Overloading , Static Members	2	28.02.23	4th hr 6th hr	28/2/23
7	Nesting of Methods ,Inheritance	2	01.03.23	3rd hr 5th hr	1/3/23

8	Overriding Methods, Final Variables and Methods, Final Classes	2	02.03.23	3rd hr 5th hr	
9	Finalizer Methods, Abstract Methods and Classes	2	06.03.23 08.03.23	6th hr 4th hr	
10	Methods with Varargs, Visibility Control	2	08.03.23 09.03.23	6th hr 3rd hr	
	UNIT-III(15)				
1	Arrays, Strings and Vectors: Introduction, One-dimensional Array, Creating an Array -	2	09.03.23 10.03.23	5th hr 3rd hr	
2	Two dimensional Arrays, Strings Vectors, Wrapper Classes	2	13.03.23 14.03.23	5th hr 3rd hr	
3	Enumerated Types, Annotations	1	14.03.23	5th hr	
4	Interfaces: Introduction, Defining Interfaces , Extending Interfaces	2	15.03.23	4th hr 6th hr	
5	Implementing Interfaces, Accessing Interface Variables	2	16.03.23	3rd hr 5th hr	
6	Packages: Introduction, Java API Packages, Using System Packages, Naming Conventions, Creating Packages -	2	20.03.23 21.03.23	6th hr 2nd hr	
7	Accessing a Package, Using a Package	2	21.03.23 23.03.23	5th hr 3rd hr	
8	Adding a Class to a Package, Hiding Classes, Static Import	2	23.03.23 27.03.23	5th hr 6th hr	
	UNIT-IV(20)				
1	Multithreaded Programming: Introduction, Creating Threads, Extending the Thread class	2	28.03.23 29.03.23	5th hr 4th hr	
2	Stopping and Blocking a Thread, Life cycle of a Thread, Using Thread methods, Thread Exceptions	2	29.03.23 30.03.23	6th hr 3rd hr	
3	Thread Priority, Synchronization Implementing the Runnable interface, Inter-thread Communication	2	30.03.23 03.04.23	5th hr 5th hr	
4	Managing Errors and Exceptions: Introduction, Types of Errors, Exceptions , Syntax of Exception Handling Code	1	05.04.23	3rd hr	
5	Multiple Catch Statements, Using Finally Statement , Throwing Our Own Exceptions	2	05.04.23 05.04.23	5th hr 6th hr	
6	Applet Programming: Introduction, Difference Between Applets and Applications, Write Applets , Building Applet code -	2	05.04.23 06.04.23	6th hr 3rd hr	
7	Applet life cycle, Creating an Executable Applet, Designing a web page	2	06.04.23 10.04.23	5th hr 5th hr	

8	Applet Tag, Adding Applet to HTML File, Running the applet	2	11.04.23	3rd hr, 5th hr	
9	Applet Tags, Passing Parameters to Applets	1	12.04.23	4th hr	
10	Aligning the Display, Displaying Numerical values	2	12.04.23 13.04.23	6th hr 2nd hr	
11	Getting input from the user, Event handling	2	13.04.23 17.04.23	5th hr 5th hr	

UNIT-V(15)

1	Graphics Programming: Introduction, The Graphics Class	2	18.04.23	3rd hr, 5th hr	
2	Lines and Rectangles, Circles and Ellipses, Drawing Arcs , Drawing polygons	2	19.04.23	4th hr, 6th hr	
3	Line Graphs , Using Control Loops in Applets , Drawing Bar Charts	1	20.04.23	3rd hr	
4	ManagingI/O Files in Java:Introduction, Concept of stream, Stream classes	2	22.04.23 24.04.23	5th hr 5th hr	
5	Byte stream classes , Character stream classes , Using stream , Using the file class	2	24.04.23 25.04.23	6th hr 3rd hr	
6	Creation of Files, Reading/Writing characters, Reading/Writing Bytes	2	25.04.23 26.04.23	5th hr 4th hr	
7	Handling Primitive Data types, Concatenating and buffering Bytes	2	24.04.23 27.04.23	6th hr 3rd hr	
8	Random access files.	2	27.04.23 28.04.23	5th hr 3rd hr	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

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M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR : 2022-2023

Faculty Name: **DR.D. SANTHI JESLET** Subject: **Compiler Design**

Subject Code:

Course : **M.Sc** Year / Semester : **I/II**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I(16)					
1	Lexical analysis	1	09.02.23	3rd hr	9/2/23
2	Language Processors	1	13.02.23	4th hr	13/2/23
3	The Structure of a Compiler	2	16.02.23 17.02.23	2nd hr 2nd hr	16/2/23 17/2/23
4	Parameter passing mechanism	1	20.02.23	5th hr	20/2/23
5	Symbol table	2	21.02.23 22.02.23	4th hr 2nd hr	21/2/23
5	The role of the lexical analyzer	2	23.02.23 24.02.23	4th hr 2nd hr	24/2/23
6	Input buffering	1	28.02.23	4th hr	28/2/23
7	Specification of tokens	1	01.03.23	2nd hr	1/3/23
8	Recognition of tokens	1	02.03.23	2nd hr	2/3/23
9	Finite automata	2	03.03.23 08.03.23	2nd hr 2nd hr	8/3/23
10	Regular expression to automata	2	09.03.23 10.03.23	2nd hr 2nd hr	10/3/23
UNIT-II(16)					
1.	Syntax Analysis	2	14/3/23 15/3/23	4th hr 2nd hr	14/3/23
2.	The role of the parser	2	16/3/23 17/3/23	2nd hr 2nd hr	17/3/23
3.	Context-free grammars	2	21/3/23 23/3/23	4th hr 2nd hr	23/3/23
4.	Writing a grammar	2	24/3/23 25/3/23	2nd hr 2nd hr	25/3/23
5.	Top down Parsing	2	27/3/23 28/3/23	6th hr 4th hr	28/3/23
6.	Bottom-up Parsing	2	29/3/23 30/3/23	2nd hr 2nd hr	30/3/23
7.	LR parsers	2	31/3/23 01/4/23	2nd hr 3rd hr	1/4/23
8.	LALR parsers	2	03/4/23 05/4/23	2nd hr 2nd hr	3/4/23
UNIT-III(16)					

1	Semantic Analysis	2	03/4/23	2nd hr 5th hr	
2	Inherited and Synthesized attributes	2	06/4/23	2nd hr 4th hr	
3	Dependency graphs	2	08/4/23	1st hr 2nd hr	
4	S- attributed definitions	1	10/4/23	5th hr	
5	L-attributed definitions	1	11/4/23	4th hr	
6	Applications of Syntax Directed translation	2	12/4/23 13/4/23	2nd hr 2nd hr	
7	Syntax Directed translations schemes	2	15/4/23	4th hr 5th hr	
8	Storage organization	2	17/4/23 18/4/23	1st hr 2nd hr	
9	Stack allocation of space	2	19/4/23	2nd hr 4th hr	
	UNIT-IV(13)				
1	Intermediate Code Generation	2	20/4/23 21/4/23	2nd hr 2nd hr	
2	Variants of Syntax trees	2	25/4/23	2nd hr 3rd hr	
3	Three Address code	1	26/4/23	2nd hr	
4	Types and Declarations	1	27/4/23	2nd hr	
5	Translation of Expressions	1	28/4/23	2nd hr	
6	Type checking	1	29/4/23	2nd hr	
7	Control flow	1	29/4/23	3rd hr	
8	Back patching	2	02/5/23	1st hr 2nd hr	
9	Switch Statements	1	03/5/23	2nd hr	
10	Procedure calls	1	04/5/23	2nd hr	
	UNIT-V(14)				
1	Code Generation and Code Optimization	1	05/05/23	2nd hr	
2	Issues in the design of a code generator	2	08/05/23	4th hr, 6th hr	
3	The target language	2	09/05/23	2nd & 3rd hr	
4	Address in the Target Code	1	10/05/23	2nd hr	
5	Basic Block and Flow graphs	2	11/05/23	2nd hr & 4th hr	
6	Optimization of Basic Blocks	2	12/05/23	2nd hr 4th hr	
7	A simple code generator	2	15/05/23	2nd hr & 3rd hr	
8	Peep hole Optimization	2	16/05/23	2nd hr & 3rd hr	

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

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M.G.R.COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: **V.GOVINDARAJU** Subject: **JAVA PROGRAMMING**
Subject Code: **19UCS09** Year / Semester **:III B.Sc(CS) / VI**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Java Evolution	2	25/01/23 6/2/23	6 4	
2	Simple Java Program	2	8/2/23 9/2/23	6 4	
3	Java program structure	1	13/2/23	4	
4	Java Tokens	2	15/2/23 20/2/23	6 4	
5	Java Statements	1	20/2/23	6	
6	JVM	2	22/2/23 23/2/23	6 4	
7	Command Line Arguments	2	27/2/23	4, 6	
8	Constants, Variables	1	1/3/23	6	
9	Data Types	1	2/3/23	4	
10	Operators and Expressions	1	6/3/23	4	
	UNIT-II				
1	Decision Making and Branching	1	6/3/23	6	
2	The Switch Statement	2	8/3/23 9/3/23	6 4	
3	The ?: Operator	2	13/3/23	4, 6	
4	Decision Making and Looping	2	14/3/23	3, 5	
5	Classes, Objects and Methods	2	15/3/23	2, 6	
6	Constructors	2	16/3/23	2, 4	
7	Methods Overloading	2	20/3/23	3, 5	
8	Inheritance	2	21/3/23	2, 4	
9	Overriding Methods	1	23/3/23	4.	
10	Final Variables and Methods	1	23/3/23	6	
	UNIT-III				
1	Arrays, Strings and Vectors	1	27/3/23	3	
2	Wrapper Classes	2	28/3/23	2, 4	
3	Enumerated Types	2	29/3/23	2, 4	

4	Interfaces	2	30/3/23	2, 4	
5	Implementing Interfaces	2	3/4/23	3, 5	
6	Java API Packages	2	5/4/23	4, 6	
7	Accessing a Package	1	5/4/23	3	
8	Adding a Class to a Package	2	6/4/23	2, 4	
9	Hiding Classes	2	10/4/23	3, 5	
10	Static Import	2	11/4/23	4, 6	
	UNIT-IV				
1	Multithreaded Programming	2	12/4/23	2, 4	
2	Life cycle of a Thread	1	13/4/23	3	
3	Handling HTTP requests and responses	1	13/4/23	5	
4	Implementing the Runnable interface	2	17/4/23	4, 6	
5	Inter-thread Communication	2	17/4/23	2, 4	
6	Managing Errors and Exceptions	2	20/4/23	3, 5	
7	Applet Programming	2	20/4/23	4, 6	
8	Applet life cycle	2	24/4/23	2, 4	
9	Getting input from the user	2	25/4/23	3, 5	
	UNIT-V				
1	Graphics Programming	2	26/4/23	4, 6	
2	Managing I/O Files in Java	2	27/4/23	2, 4	
3	Stream classes	2	28/4/23	3, 5	
4	Byte stream classes	2	2/5/23	4, 6	
5	Character stream classes	1	3/5/23	5	
6	Creation of Files	2	4/5/23	5, 7	
7	Reading/Writing characters	2	5/5/23	5, 7	
8	Concatenating and buffering Bytes	1	6/5/23	5	
9	Random access files.	2	10/5/23	5, 6	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

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M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
LESSON PLAN
ACADEMIC YEAR :2022-23

Faculty Name: **V.GOVINDARAJU** Subject: **Programming in Java Practical**
Subject Code: **19UCSP06** Year / Semester : **III / VI**

Course : **B.Sc (Computer Science)**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
1	Write a program to find the Area of Square, Rectangle and Circle using Method Overloading.	3	24/01/23	5,6,7	
2	Write a program to sort the list of numbers using Command Line Arguments	3	31/01/23	5,6,7	
3	Write a program to multiply the given two matrices	3	07/02/23	5,6,7	
4	Write a program to design a class to represent a bank account. Include the following: Data Members: Name of the depositor, Account number, Type of account, and Balance amount in the account. Methods: To assign initial values, To deposit an amount, To withdraw an amount after checking balance, and To display the name and balance.	3	14/02/23	5,6,7	
5	Write a program that import the user defined package and access the Member variable of classes that contained by Package	3	21/02/23	5,6,7	
6	Write a program to handle the Exception using try and multiple catch blocks.	3	28/02/23	5,6,7	
7	Write a program to illustrate the use of multi threads	3	14/03/23	5,6,7	
8	Write a program to create student registration form using applet with Name, Address, Sex, Class, Email-id.	3	21/03/23	5,6,7	
9	Write a program to draw the line, rectangle, oval, text using the graphics method	3	28/03/23	5,6,7	
10	Write a program to create a sequential file that could store details about five products. Details include product code, cost, and number of items available and are provided through the keyboard. Compute and print the total value of all the five products	3	11/04/23	5,6,7	

Teaching Methods: Lecture using Board, LCD & Discussion

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M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR : 2022-2023

Faculty Name: V.GOVINDARAJU
Subject: COMPUTER GRAPHICS
Subject Code: 19UCSE08
Year / Semester : III-B.SC–B-6th SEM
Course: B.Sc. Computer Science

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Overview of graphics Systems: Video Display Device	2	24/01/23 25/01/23	3 1	
2	Refresh Cathode Ray tubes	2	25/01/23 27/01/23	5 1	
3	Raster Scan Displays	1	7/2/23	3	
4	Random Scan Displays	1	08/2/23	1	
5	Colour CRT Monitors	1	08/2/23	5	
6	Direct view Storage tubes	1	9/2/23	7	
7	Flat Panel Displays	1	10/2/23	1	
8	Three Dimensional Viewing Devices	2	14/2/23 15/2/23	3 1	
9	Stereoscopic and Virtual Reality Systems	2	15/2/23 16/2/23	5 7	
	UNIT-II				
1	Raster Scan Systems Video Controller	1	17/2/23	1	
2	Random Scan Systems Video Controller	2	21/2/23 23/2/23	3 7	
3	Random Scan Systems	1	24/2/23	1	
4	Input device - Keyboard Mouse - Trackball and Space ball	2	28/2/23 1/3/23	3 1	
5	Joysticks - Data Glove - Digitizers	2	1/3/23 2/3/23	5 7	
6	Image Scanners - Touch Panels - Light pens	2	3/3/23 8/3/23	1 1	

7	Voice Systems – Hard Copy Devices	2	8/3/23 9/3/23	5 7	
8	Line Drawing Algorithms DDA Algorithms	2	10/3/23 14/3/23	1 3	
9	Circle generating Algorithm	1	15/3/23	1	
10	Properties of Ellipses	1	15/3/23	5	
	UNIT-III				
1	Two Dimensional Geometric Transformation: Basic Transformations- Translation - Rotation - Scaling	2	16/3/23 17/3/23	1 7	
2	Matrix Representations and Homogeneous	2	21/3/23 23/3/23	3 7	
3	Other Transformations Reflections Two Dimensional Viewing	2	24/3/23 28/3/23	1 3	
4	Windows to view point coordinate Transformations	2	5/4/23 5/4/23	3 5	
5	Clipping Operations - Point Clipping - Line Clipping -	2	6/4/23 11/4/23	7 3	
6	Curve Clipping - Text Clipping	2	12/4/23 12/4/23	1 5	
7	Exterior Clipping	1	13/4/23	7	
	UNIT-IV				
1	Three Dimensional Concepts: Three Dimensional Display method	2	20/4/23	1, 7	
2	Parallel projection	1	21/4/23	1	
3	Depth cueing visible line and surface	2	25/4/23	3, 5	
4	Three Dimensional Geometric and modelling Transformations: Translation - Rotation - Scaling	2	26/4/23	1, 5	
5	Composite Transformations	1	27/4/23	7	
6	Three Dimensional Viewing: Viewing pipeline	2	28/4/23	1, 7	
7	Viewing Coordinates - Projections	2	29/4/23	3, 5	

8	Parallel Projections	1	2/5/23	5	
9	Perspective Projections	1	2/5/23	7	

UNIT-V

1	Visible Surface Detection Methods : Classification Visible Surface Detection Algorithms	2	3/5/23	5, 6	
2	Back Face Detection	1	4/5/23	5	
3	Depth Buffer Method	1	4/5/23	6	
4	A Buffer Method	1	5/5/23	5	
5	Scan line method	1	5/5/23	6	
6	Depth sorting method	1	6/5/23	5	
7	BSP tree method - Area Subdivision Method	2	10/5/23	5,6	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

V. Hevind

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11/5/22

HEAD OF THE DEPARTMENT

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M.G.R.College, Hosur - 635130
Department of Computer Science
Lesson Plan
Academic Year: 2022 – 2023

aculty Name: GAYATHRI R — Subject: Software Engineering
ubject Code: 19UCS10 — Year / Semester: III 'A' / VI
ourse: B.Sc (Computer Science)

S.NO	Topic to be Covered	Hours Planed	Date on which topic Covered	Hours on which topic Covered	Initial/ Remarked
	UNIT -1 (16)				
1	Introduction	1	24.1.23	1	
2	Software Engineering Discipline	1	24.1.23	4	
3	Evolution and Impact	1	27.1.23	4	
4	Program vs Software Product	1	27.1.23	6	
5	Use of a Life Cycle Model	1	07.2.23	1	
6	Classical Waterfall Model	2	07.2.23	4	
7	Iterative Waterfall Model	1	09.2.23	7	
8	Prototyping Model	1	10.2.23	4	
9	Evolutionary Model	1	10.2.23	6	
10	Spiral Model	1	14.2.23	1	
11	Software Project Management: Responsibility of a software Project Management	1	14.2.23	4	
12	Project Planning	1	16.2.23	7	
13	Metrics for Project Size Estimation	1	17.2.23	4	
14	Project Estimation Techniques	1	17.2.23	6	
15	Risk Management	1	21.2.23	1	
	UNIT-2(12)				
1	Requirement Analysis and Specification: Requirements getting and Analysis	2	21.2.23 24.2.23	4,7	
2	Software Requirements Specifications	2	28.2.23	1,4	
3	Formal System Development Techniques	2	02.3.23 03.3.23	4,7	
4	Software Design: Characteristic of a good Software Design	2	9.3.23 10.3.23	7,4	
5	Cohesion and Coupling-Neat Arrangement	2	14.3.23	1,4	
6	Software Design Approach	2	16.3.23	3,7	
	UNIT – 3(14)				
1	Function – Oriented Software Design: Overview of SA/SD Methodology	2	17.3.23	4,6	
2	Structured Analysis	2	21.3.23	1,4	

4	Data Flow Diagrams (DFDs)	2	24.3.23	4, 6	
5	Object Modelling Using UML: Overview of object-oriented concepts	2	28.3.23	1, 4	
6	UML Diagram – Use case Model – Class Diagrams	2	29.3.23	3, 7	
7	Activity Diagram – State Chart Diagram	2	30.3.23	4, 6	
	UNIT - 4 (12)				
1	User Interface Design: Characteristic of a good user Interface	2	31.3.23	1, 4	
2	Basic Concepts: Types of user Interface	2	03.4.23	2, 4	
3	Component Based GUI Development	2	05.4.23	3, 7	
4	Coding and Testing: Coding – Testing – Unit – Testing	2	06.4.23	4, 6	
5	Black – Box Testing , White Box Testing	2	10.4.23	1, 4	
6	Debugging Integration Testing – System Testing	2	11.4.23	2, 4	
	UNIT – 5(16)				
1	Software Reliability and Quality Management: Software Reliability	2	12.4.23	3, 7	
2	Statical Testing – Software Quality- Software Quality Management System ISO 9000	2	13.4.23	4, 6	
3	Computer Aided Software Engineering: CASE Environment - Case Support in Software Life Cycle	2	17.4.23	1, 4	
4	Characteristics of CASE Tool	1	18.4.23	2, 4	
5	Architecture of a Case Environment	1	19.4.23	3, 7	
6	Software Maintenance: Characteristics of Software Maintenance	2	20.4.23	4, 6	
7	Software Reverse Engineering	2	24.4.23	1, 4	
8	Software Maintenance Process model	1	25.4.23	2, 4	
9	Estimation of Maintenance Cost	1	25.4.23	3, 7	
10	Software Reuse: Issues in any Reuse: Program - Reuse Approach	2	26.4.23	4, 6	

STAFF- IN-CHARGE **HOD** 10/5/23 **PRINCIPAL**

M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

LESSON PLAN

ACADEMIC YEAR :2022-23

Faculty Name: R GAYATHRI Subject: PROGRAMMING IN JAVA

Subject Code: 21UCS06 Year / Semester: II B.Sc. "C" / IV

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I (15)				
1	Introduction to OOPS	1	23.1.23	2	
2	Paradigms of Programming Languages	1	24.1.23	4	
3	Basic concepts of Object Oriented Programming	1	25.1.23	1	
4	Differences between Procedure Oriented Programming and Object Oriented programming	1	27.1.23	3	
5	Benefits of OOPs	1	30.1.23	2	
6	Application of OOPs	1	30.1.23	6	
7	Java: History	1	01.2.023	1	
8	Java features	1	06.2.23	2	
9	Java Environment: JDK and API	1	082.23	1	
10	Introduction to Java: Types of java program	1	09.2.23	4	
11	Creating and Executing a Java program	1	10.2.23	3	
12	Java Tokens	1	10.2.23	6	
13	Java Virtual Machine (JVM)	1	13.2.23	2	
14	Command Line Arguments	1	16.2.23	4	
15	Comments in Java program.	1	17.2.23	3	
	UNIT-II (12)				
1	Constants	1	17.2.23	6	
2	Variables, Scope of variables	1	20.2.23	2	
3	Datatypes, Type Casting	1	22.2.23	1	
4	Operators, Special operators	1	23.2.23	4	
5	Expressions – Evaluation of Expressions.	1	24.2.23	3	
6	Decision making and branching statements	1	27.2.23	2	
7	Decision making and Looping, break, continue	1	01.3.23	1	
8	Arrays: One Dimensional Array	1	02.3.23	4	

9	Creating an array – Array processing	1	03.03.23	3	
10	Multidimensional Array	1	06.3.23	2	
11	Vectors – ArrayList	1	9.3.23	4	
12	Advantages of Array List over Array Wrapper classes.	1	10.3.23	3	
	UNIT-III (14)				
1	Class and objects: Defining a class	1	13.3.23	2	
2	Methods – Creating objects	1	15.3.23	1	
3	Accessing class members	1	16.3.23	4	
4	Constructors	1	17.3.23	5	
5	Method overloading	1	17.3.23	6	
6	Static members –Nesting of Methods	1	20.3.23	2	
7	this keyword – Command line input	1	23.3.23	4	
8	Inheritance: Defining inheritance –types of inheritance	1	24.3.23	3	
9	Overriding methods	1	24.3.23	6	
10	Final variables and methods – Final classes – Final methods	1	27.3.23	2	
11	Abstract methods and classes – Visibility Control	1	29.3.23	1	
12	Interfaces: Defining Interface – Extending interface	1	30.3.23	4	
13	Implementing Interface - Accessing interface variables.	1	03.4.23	2	
14	Strings: String Array – String Methods – String Buffer Class.	1	05.4.23	1	
	UNIT-IV (11)				
1	Packages: Java API Packages	1	06.4.23	4	
2	System Packages – Naming Conventions	1	10.4.23	2	
3	Creating & Accessing a Package	1	11.4.23	3	
4	Adding Class to a Package – Hiding Classes	1	12.4.23	1	
5	Exception Handling: Limitations of Error handling – Advantages of Exception Handling	1	13.4.23	4	
6	Types of Errors – Basics of Exception Handling – try blocks – throwing an exception – catching an exception – finally statement	1	17.4.23	2	
7	Multithreading: Creating Threads – Life of a Thread	1	20.4.23	4	
8	Defining & Running Thread – Thread Methods – Thread Priority	1	20.4.23	5	

9	Synchronization	1	27.4.23	6	
10	Implementing Runnable interface	1	28.4.23	6	
11	Thread Scheduling.	1	29.4.23	2	
	UNIT-V(15)				
1	I/O Streams: File – Streams – Advantages	1	24.4.23	4	
2	The stream classes	1	25.4.23	3	
3	Byte streams –Character streams	1	25.4.23	7	
4	Applets: Introduction	1	26.4.23	1	
5	Applet Life cycle – Creating & Executing an Applet	1	26.4.23	4	
6	Applet tags in HTML	1	27.4.23	4	
7	Parameter tag – Aligning the display	1	27.4.23	6	
8	Graphics Class: Drawing and filling lines	1	28.4.23	2	
9	Rectangles – Polygon – Circles, Arcs – Line Graphs – Drawing Bar charts	1	28.4.23	7	
10	AWT Components and Event Handlers: Abstract window tool kit	1	29.4.23	1	
11	Event Handlers – Event Listeners	1	03.5.23	3	
12	AWT Controls and Event Handling: Labels – Text Component	1	04.5.23	5	
13	Action Event – Buttons	1	09.5.23	5	
14	Check Boxes – Item Event – Choice– Scrollbars	1	09.5.23	6	
15	Layout Managers- Input Events – Menus.	1	10.5.23	5	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

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FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
LESSON PLAN
ACADEMIC YEAR :2022-23

Faculty Name: **R.GAYATHRI** Subject: **Practical- JAVA PROGRAMMING**
Subject Code: **21UCSP04** Year / Semester : **II / IV**

Course : **B.Sc (Computer Science)**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
1	Write a program to find the Area of Square, Rectangle and Circle using Method Overloading.	3	16/12/23	5, 6, 7	
2	Write a program to sort the list of numbers using Command Line Arguments	3	16/12/23	5, 6, 7	
3	Write a program to multiply the given two matrices	3	23/12/23	5, 6, 7	
4	Write a program to design a class to represent a bank account. Include the following: Data Members: Name of the depositor, Account number, Type of account, and Balance amount in the account. Methods: To assign initial values, To deposit an amount, To withdraw an amount after checking balance, and To display the name and balance.	3	23/12/23	5, 6, 7	
5	Write a program that import the user defined package and access the Member variable of classes that contained by Package	3	2/1/24	5, 6, 7	
6	Write a program to handle the Exception using try and multiple catch blocks.	3	9/1/24	5, 6, 7	
7	Write a program to illustrate the use of multi threads	3	16/1/24	5, 6, 7	
8	Write a program to create student registration form using applet with Name, Address, Sex, Class, Email-id.	3	23/1/24	5, 6, 7	
9	Write a program to draw the line, rectangle, oval, text using the graphics method	3	30/1/24	5, 6, 7	
10	Write a program to create a sequential file that could store details about five products. Details include product code, cost, and number of items available and are provided through the keyboard. Compute and print the total value of all the five products	3	6/2/24	5, 6, 7	

Teaching Methods: Lecture using Board, LCD & Discussion

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FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

LESSON PLAN

ACADEMIC YEAR :2022-23

Faculty Name: A PRITHA Subject: PROGRAMMING IN JAVA

Subject Code: 21UCS06 Year / Semester: II B.Sc. "A" / IV

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction to OOPS	1	6/2/23	1	fe
2	Paradigms of Programming Languages	1	7/2/23	4	fe
3	Basic concepts of Object Oriented Programming	1	8/2/23	5	fe
4	Differences between Procedure Oriented Programming and Object Oriented programming	1	9/2/23	1	fe
5	Benefits of OOPs	1	10/2/23	2	fe
6	Application of OOPs	1	13/2/23	1	fe
7	Java: History	1	14/2/23	4	fe
8	Java features	1	15/2/23	5	fe
9	Java Environment: JDK and API	1	16/2/23	1	fe
10	Introduction to Java: Types of java program	1	17/2/23	2	fe
11	Creating and Executing a Java program	1	20/2/23	1	fe
12	Java Tokens	1	21/2/23	4	fe
13	Java Virtual Machine (JVM)	1	22/2/23	5	fe
14	Command Line Arguments	1	23/2/23	1	fe
15	Comments in Java program.	1	24/2/23	2	fe
	UNIT-II				
1	Constants	1	27/2/23	1	fe
2	Variables, Scope of variables	1	28/2/23	4	fe
3	Datatypes, Type Casting	1	1/3/23	5	fe
4	Operators, Special operators	1	2/3/23	1	fe
5	Expressions – Evaluation of Expressions.	1	3/3/23	2	fe
6	Decision making and branching statements	1	6/3/23	1	fe
7	Decision making and Looping, break, continue	1	7/3/23	5	fe
8	Arrays: One Dimensional Array	1	9/3/23	1	fe

9	Creating an array – Array processing	1	10/3/23	2	AR
10	Multidimensional Array	1	13/3/23	1	AR
11	Vectors – ArrayList	1	14/3/23	4	AR
12	Advantages of Array List over Array Wrapper classes.	1	15/3/23	5	AR
	UNIT-III				
1	Class and objects: Defining a class	1	16/3/23	1	AR
2	Methods – Creating objects	1	17/3/23	4	AR
3	Accessing class members	1	20/3/23	1	AR
4	Constructors	1	27/3/23	1	AR
5	Method overloading	1	28/3/23	4	AR
6	Static members –Nesting of Methods	1	30/3/23	5	AR
7	this keyword – Command line input	1	3/4/23	2	AR
8	Inheritance: Defining inheritance –types of inheritance	1	6/4/23	1	AR
9	Overriding methods	1	7/4/23	4	AR
10	Final variables and methods – Final classes – Final methods	1	10/4/23	5	AR
11	Abstract methods and classes – Visibility Control	1	11/4/23	1	AR
12	Interfaces: Defining interface – Extending interface	1	12/4/23	1	AR
13	Implementing Interface - Accessing interface variables.	1	13/4/23	2	AR
14	Strings: String Array – String Methods – String Buffer Class.	1	17/4/23	4	AR
	UNIT-IV				
1	Packages: Java API Packages	1	27/2/23	5	AR
2	System Packages – Naming Conventions	1	28/2/23	2	AR
3	Creating & Accessing a Package	1	1/3/23	1	AR
4	Adding Class to a Package – Hiding Classes	1	2/3/23	1	AR
5	Exception Handling: Limitations of Error handling – Advantages of Exception Handling	1	3/3/23	5	AR
6	Types of Errors – Basics of Exception Handling – try blocks – throwing an exception – catching an exception – finally statement	1	6/3/23	4	AR
7	Multithreading: Creating Threads – Life of a Thread	1	8/3/23	1	AR
8	Defining & Running Thread – Thread Methods – Thread Priority	1	9/3/23	2	AR

9	Synchronization	1	10/3/23	4	AR
10	Implementing Runnable interface	1	14/3/23	4	AR
11	Thread Scheduling.	1	17/3/23	4	AR
	UNIT-V				
1	I/O Streams: File – Streams – Advantages	1	20/3/23	1	AR
2	The stream classes	1	23/3/23	2	AR
3	Byte streams –Character streams	1	27/3/23	1	AR
4	Applets: Introduction	1	29/3/23	4	AR
5	Applet Life cycle – Creating & Executing an Applet	1	30/3/23	1	AR
6	Applet tags in HTML	1	3/4/23	4	AR
7	Parameter tag – Aligning the display	1	6/4/23	1	AR
8	Graphics Class: Drawing and filling lines	1	7/4/23	2	AR
9	Rectangles – Polygon – Circles, Arcs – Line Graphs – Drawing Bar charts	1	10/4/23	2	AR
10	AWT Components and Event Handlers: Abstract window tool kit	1	11/4/23	1	AR
11	Event Handlers – Event Listeners	1	12/4/23	4	AR
12	AWT Controls and Event Handling: Labels – Text Component	1	13/4/23	5	AR
13	Action Event – Buttons	1	17/4/23	1	AR
14	Check Boxes – Item Event – Choice– Scrollbars	1	18/4/23	1	AR
15	Layout Managers- Input Events – Menus.	1	19/4/23	4	AR

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

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FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
LESSON PLAN
ACADEMIC YEAR :2022-23

Faculty Name: A.PRITHA Subject: Practical- JAVA PROGRAMMING
Subject Code: 21UCSP04 Year / Semester : II / IV

Course : B.Sc (Computer Science)

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
1	Write a program to find the Area of Square, Rectangle and Circle using Method Overloading.	3	16/2/23	5-7	AP
2	Write a program to sort the list of numbers using Command Line Arguments	3	16/2/23	5-7	AP
3	Write a program to multiply the given two matrices	3	23/2/23	5-7	AP
4	Write a program to design a class to represent a bank account. Include the following: Data Members: Name of the depositor, Account number, Type of account, and Balance amount in the account. Methods: To assign initial values, To deposit an amount, To withdraw an amount after checking balance, and To display the name and balance.	3	23/2/23	5-7	AP
5	Write a program that import the user defined package and access the Member variable of classes that contained by Package	3	2/3/23	5-7	AP
6	Write a program to handle the Exception using try and multiple catch blocks.	3	9/3/23	5-7	AP
7	Write a program to illustrate the use of multi threads	3	16/3/23	5-7	AP
8	Write a program to create student registration form using applet with Name, Address, Sex, Class, Email-id.	3	23/3/23	5-7	AP
9	Write a program to draw the line, rectangle, oval, text using the graphics method	3	30/3/23	5-7	AP
10	Write a program to create a sequential file that could store details about five products. Details include product code, cost, and number of items available and are provided through the keyboard. Compute and print the total value of all the five products	3	6/4/23	5-7	AP

Teaching Methods: Lecture using Board, LCD & Discussion

A Pritha
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HEAD OF THE DEPARTMENT

PRINCIPAL

M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

Name: Pritha A Subject: Computer Organization and Architecture

Code: 21UCS03 Year / Semester: I B.Sc CS 'A' / II

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
Introduction of Digital Principles	1	6|2|23	5	AP
Definition for digital Signals	1	7|2|23	6	AP
Digital Waveforms	2	8|2|23 9|2|23	3,3	AP
Digital Logic	2	10|2|23 11|2|23	6,2	AP
Moving and storing Digital Information	2	13|2|23 14|2|23	5,6	AP
Digital Operations, Digital Computers	2	15|2|23 16|2|23	3,3	AP
Digital Integrated Circuits	1	17|2|23	6	AP
Digital Logic Gates and Universal Logic Gates	2	18|2|23 20|2|23	2,5	AP
Invert Gates, Positive and Negative Logic	2	21|2|23 22|2|23	6,3	AP
UNIT-II				
Combinational Logic Circuits	2	23|2|23 24|2|23	3,6	AP
Boolean Laws and Therems	1	25|2|23	2	AP
Sum of Products Method	1	27|2|23	5	AP
Truth Table to Karnaugh Map	2	28|2|23 1|3|23	6,3	AP
Pairs, Quads and Octets	2	2|3|23 3|3|23	3,6	AP
Karnaugh Simplification, Product-of-sums Simplification	2	6|3|23 6|3|23	5,6	AP
Multiplexer 1 to16,De- Multiplexer, BCD-to-Decimal, Decoder, Encoder	2	8|3|23 9|3|23	3,3	AP
UNIT-III				
Number Systems and Codes	2	10|3|23 13|3|23	6,5	AP
Binary Conversion, The ASCII Code,Excess-3 code	2	14|3|23 15|3|23	6,3	AP
ArithmeticCircuits,2'Complement Representation, Arithmetic	2	16|3|23 17|3|23	3,6	AP

M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

Faculty Name: Pritha A Subject: Computer Organization and Architecture

Subject Code: 21UCS03 Year / Semester: I B.Sc CS 'A' / II

No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction of Digital Principles	1	6|2|23	5	AP
2	Definition for digital Signals	1	7|2|23	6	AP
3	Digital Waveforms	2	8|2|23 9|2|23	3,3	AP
4	Digital Logic	2	10|2|23 11|2|23	6,2	AP
5	Moving and storing Digital Information	2	13|2|23 14|2|23	5,6	AP
6	Digital Operations, Digital Computers	2	15|2|23 16|2|23	3,3	AP
7	Digital Integrated Circuits	1	17|2|23	6	AP
8	Digital Logic Gates and Universal Logic Gates	2	18|2|23 20|2|23	2,5	AP
9	Invert Gates, Positive and Negative Logic	2	21|2|23 22|2|23	6,3	AP
	UNIT-II				
1	Combinational Logic Circuits	2	23|2|23 24|2|23	3,6	AP
2	Boolean Laws and Therems	1	25|2|23	2	AP
3	Sum of Products Method	1	27|2|23	5	AP
4	Truth Table to Karnaugh Map	2	28|2|23 1|3|23	6,3	AP
5	Pairs, Quads and Octets	2	2|3|23 3|3|23	3,6	AP
6	Karnaugh Simplification, Product-of-sums Simplification	2	6|3|23 6|3|23	5,6	AP
7	Multiplexer 1 to16,De- Multiplexer, BCD-to-Decimal, Decoder, Encoder	2	8|3|23 9|3|23	3,3	AP
	UNIT-III				
1	Number Systems and Codes	2	10|3|23 13|3|23	6,5	AP
2	Binary Conversion, The ASCII Code,Excess-3 code	2	14|3|23 15|3|23	6,3	AP
3	ArithmeticCircuits,2'Complement Representation, Arithmetic	2	16|3|23 17|3|23	3,6	AP

	UNIT-IV				
1	Arithmetic Circuits, Arithmetic Logic Unit	2	20/3/23 21/3/23	5, 6	Ae
2	Binary Multiplication and Division	2	23/3/23 24/3/23	3, 6	Ae
3	Clocks and Timing Circuits and Waveform	2	27/3/23 28/3/23	5, 6	Ae
4	Flip-Flops, Edge – Triggered, D Flip-Flops	2	30/3/23 3/4/23	3, 5	Ae
5	Edge Triggered JK Flip Flops	2	5/4/23 6/4/23	3, 3	Ae
6	JK Master-Slave Flip-Flops	2	10/4/23 11/4/23	5, 6	Ae
	UNIT-V				
1	Registers, Serial-In, Serial-Out	1	12/4/23	3	Ae
2	Serial-In, Parallel-Out-In	1	17/4/23	5	Ae
3	Memory Introduction, Memory Addressing	1	18/4/23	3	Ae
4	ROMs, PROMs, EPROMs and EEPROM,RAMs	1	19/4/23	3	Ae
5	A Simple Computer Design	1	24/4/23	5	Ae

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan

ACADEMIC YEAR :2022-2023

Faculty Name: **PRITHA A**

Subject: **PHP SCRIPTING LANGUAGE (SBEC VI)**

Subject Code: **19UCSS04**
Course: **B. Sc. (CS) 'A' Sec**

Year / Semester: **III / VI**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	PHP - Introduction	1	6|2|23	3	AP
2	Basic of Coding in PHP: Mixing PHP and HTML	2	7|2|23 8|2|23	2,1	AP
3	Introducing Variables and Operators	2	13|2|23 14|2|23	3,2	AP
4	PHP Variables	1	15|2|23	1	AP
	UNIT-II				
1	Displaying Dynamic Content	2	20|2|23 21|2|23	3,2	AP
2	Sending E-Mail	2	22|2|23 27|2|23	1,3	AP
3	Using File System	1	28|2|23	2	AP
4	Uploading Files to Website	1	1|3|23	1	AP
	UNIT-III				
1	Establishing a connection	1	6|3|23	3	AP
2	Creating a Database Table	2	8|3|23 13|3|23	1,3	AP
3	Inserting Data into the Table	1	14|3|23	2	AP
4	Selecting and Displaying Data	1	15|3|23	1	AP
	UNIT-IV				
1	System Planning	2	20|3|23 21|3|23	3,2	AP
2	Adding Contacts	1	27|3|23	3	AP
3	Modifying Contacts	1	28|3|23	2	AP
4	Deleting Contacts	1	29|3|23	1	AP
5	Working with Contacts	1	3|4|23	3	AP

	UNIT-V				
1	Managing a Simple Mailing List	1	10/9/23	3	AP
2	Mailing List Software	1	11/9/23	2	AP
3	Developing Subscription Mechanism, Mailing Mechanism	2	12/9/23 17/9/23	1, 3	AP
4	Creating Custom Logs and Reports	1	24/9/23	3	AP

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

10/5/23

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR : 2022-2023

Faculty Name: **T.S. MOHAN** Subject: **COMPUTER GRAPHICS**
Subject Code: 19UCCE08 Year / Semester : **III-B.SC–A-5th SEM**
Course: B.Sc, Computer Science

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Overview of graphics Systems: Video Display Device	2	23.1.23	1,6	TSM
2	Refresh Cathode Ray tubes	2	30.1.23	2,7	TSM
3	Raster Scan Displays	1	2/2/23	2	TSM
4	Random Scan Displays	1	6/2/23	3	TSM
5	Colour CRT Monitors	1	6/2/23	4	TSM
6	Direct view Storage tubes	1	9/2/23	5	TSM
7	Flat Panel Displays	1	13/2/23	1	TSM
8	Three Dimensional Viewing Devices	2	13/2/23 16/2/23	1,5	TSM
9	Stereoscopic and Virtual Reality Systems	2	20/2/23	3,6	TSM
	UNIT-II				
1	Raster Scan Systems Video Controller	1	23/2/23	1	TSM
2	Random Scan Systems Video Controller	2	27/2/23	2,7	TSM
3	Random Scan Systems	1	2/3/23	3	TSM
4	Input device - Keyboard Mouse - Trackball and Space ball	2	6/3/23	4,7	TSM
5	Joysticks - Data Glove - Digitizers	2	9/3/23	3,6	TSM
6	Image Scanners - Touch Panels - Light pens	2	10/3/23	2,7	TSM

7	Voice Systems – Hard Copy Devices	2	13/3/23	2, 7	
8	Line Drawing Algorithms DDA Algorithms	2	16/3/23	4, 6	
9	Circle generating Algorithm	1	20/3/23	2	
10	Properties of Ellipses	1	23/3/23	3	
	UNIT-III				
1	Two Dimensional Geometric Transformation: Basic Transformations- Translation - Rotation - Scaling	2	27/3/23	3, 6	
2	Matrix Representations and Homogeneous	2	10/4/23	2, 5	
3	Other Transformations Reflections Two Dimensional Viewing	2	10/4/23 13.4.23	3 7	
4	Windows to view point coordinate Transformations	2	15.4.23	3, 7	
5	Clipping Operations - Point Clipping - Line Clipping -	2	17.4.23	4, 6	
6	Curve Clipping - Text Clipping	2	19.4.23	3, 5	
7	Exterior Clipping	1	20.4.23	3	
	UNIT-IV				
1	Three Dimensional Concepts: Three Dimensional Display method	2	25.4.23	2, 6	
2	Parallel projection	1	27.4.23	2	
3	Depth cueing visible line and surface	2	28.4.23 2.5.23	3, 6	
4	Three Dimensional Geometric and modelling Transformations: Translation - Rotation - Scaling	2	3.5.23	3, 7	
5	Composite Transformations	1	4.5.23	3	
6	Three Dimensional Viewing: Viewing pipeline	2	5.5.23 8.5.23	2 6	
7	Viewing Coordinates - Projections	2	9.5.23	3, 7	

8	Parallel Projections	1	10.5.23	1	
9	Perspective Projections	1	11.5.23	2	
	UNIT-V				
1	Visible Surface Detection Methods : Classification Visible Surface Detection Algorithms	2	11.5.23	1, 7	
2	Back Face Detection	1	11.5.23	3	
3	Depth Buffer Method	1	12.5.23	4	
4	A Buffer Method	1	12.5.23	5	
5	Scan line method	1	13.5.23	6	
6	Depth sorting method	1	13.5.23	2	
7	BSP tree method - Area Subdivision Method	2	15.5.23	1, 6	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Faculty Name: **MOHAN T S**

Subject: **DATA STRUCTURES USING C**
(Core: Practical II)

Subject Code: **21UCSP02**
Course: **B. Sc. (CS) 'C' Sec**

Year / Semester: **I / II**

S.No	Exercises	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
1.	Program to create two array lists of integers. Sort and store the elements of both of them in third list.	3	02/12/23	1,2,3	TSM
2.	Program to multiply two matrices A and B and store the resultant matrix in C using arrays.	3	9/12/23	1,2,3	TSM
3.	Program to experiment the operation of STACK using array.	3	16/12/23	1,2,3	TSM
4.	Program to create menu driven options to implement QUEUE to perform the following (i) Insertion (ii) Deletion (iii) Modification (iv) Listing of elements.	3	23/12/23	1,2,3	TSM
5.	Program to create Linked list representations of employee records and do the following operations using pointers. (i) To add a new record. (ii) To delete an existing record. (iii) To print the details about an employee. (iv) To find the number of employees in the structure.	3	2/3/23	1,2,3	TSM
6.	Program to count the total nodes of the linked list and to insert an element at the end of the linked list.	3	9/3/23	1,2,3	TSM
7.	Program to insert an element at the beginning of a doubly linked list.	3	16/3/23	1,2,3	TSM
8.	Program to display the hash table, using the mid square method.	3	23/3/23	1,2,3	TSM
9.	Program to traverse the given binary tree using all traversal methods.	3	6/4/23	1,2,3	TSM
10.	Program to insert an element in a binary tree.	3	13/4/23	1,2,3	TSM

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

T.S.

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M.G.R. COLLEGE HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: T.S. MOHAN
Subject Code: 20UPES02
Course:I- BSC CS 'B'
Subject: PROFESSIONAL ENGLISH –II
Year / Semester : I/II

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I COMMUNICATIVE COMPETENCE				
1.	Calculus can save life	1	23-1-23	6th hr	TSM
2.	Group Discussion	1	30/1/23	5th hr	TSM
3.	Coding as a creative art	1	2/2/23	4th hr	TSM
4.	Listening Comprehension	1	2/2/23	3rd hr	TSM
5.	Post- listening Activities	1	6/2/23	4th hr	TSM
6.	Relativity of space and time	1	6/2/23	7th hr	TSM
7.	Task and answers	1	9/2/23	6th hr	TSM
8.	The spirit of chemical sciences	1	13/2/23	3rd hr	TSM
9.	Task and answers	1	16/2/23	4th hr	TSM
	UNIT-II PERSUASIVE COMMUNICATION				
1.	Counting the sequence	1	20/2/23	2nd hr	TSM
2.	Task and answers	1	23/2/23	3rd	TSM
3.	Comprehension	1	27/2/23	2nd	TSM
4.	Pronunciation practices	1	27/2/23	6th	TSM
6.	Robots come in peace	1	2/3/23	2nd	TSM
7.	Artificial intelligence	1	6/3/23	7th	TSM
8.	Group discussion	1	9/3/23	3rd	TSM
9.	Essay writing	1	10/3/23	5th	TSM
10.	Reading activities	1	13/3/23	7th	TSM
11.	Electronic fitness tracker	2	16/3/23	1st 7th	TSM
12.	Sequencing the sentences	1	20/3/23	3rd	TSM
13.	Lavoiser – The Father Of Modern Chemistry	2	23/3/23	4th	TSM
14.	Post listening activities	1	27/3/23	5th	TSM

	UNIT-III- DIGITAL COMPETENCE				
1.	The Fibonacci Around Us	2	10.4.23	1st, 7th	
2.	Reading and listening activities	1	13.4.23	3rd	
3.	Post listening activities	1	15.4.23	4th	
4.	Oral fluency activity	1	15.4.23	5th	
5.	Story building	1	17.4.23	3rd	
6.	Software Localization And Social Justice	1	17.4.23	2nd	
7.	Post reading activity	1	19.4.23	5th	
8.	Digital Competence For Academic And Professional Life	1	20.4.23	6th	
9.	Electronic Warfare And Defence	1	20.4.23	7th	
10.	Electronic attack	1	25.4.23	5th	
11.	Post reading activity	1	25.4.23	6th	
12.	Phosgene - The Deadly Villain Of The Bhopal Gas Tragedy	1	27.4.23	3rd	
	UNIT-IV CREATIVITY AND IMAGINATION				
1.	Walking On Water Like A Water Strider: A Glimpse On Surface Tension	1	28.4.23	2nd	
2.	Surface Tension	1	2.5.23	4th	
3.	Post writing activities	1	2.5.23	5th	
4.	Pre Reading Activity	1	3.5.23	6th	
5.	The Invention Story Of Barcodes	1	4.5.23	7th	
6.	Phrases , nouns, verbs	1	5.5.23	2nd	
7.	Acid-Base Chemistry With At-Home Volcanoes	2	8.5.23	2nd, 6th	
8.	Post reading activities	1	9.5.23	3rd	
9.	Ada And Her Breakthrough In Analytical Engine	2	10.5.23	3rd, 6th	
10.	Creating Web Pages, Blogs, Flyers And Brochures	1	11.5.23	3rd	
	UNIT-V WORKPLACE COMMUNICATION & BASICS OF ACADEMIC WRITING				
1.	Workplace Communication	1	11.5.23	4th	
2.	Academic Powerpoint Presentation	1	11.5.23	5th	
3.	Preparation of an effective PPT	1	11.5.23	6th	
4.	Post reading activities	1	12.5.23	2nd	
5.	Artificial Intelligence - Siri, Cortana, And	1	12.5.23	2nd	

	Alexa Carry The Marks Of Their Human Makers		D.5.23	6th	
6.	Post reading activities	1	12.5.23	6th	
7.	Pre reading activities	1	13.5.23	4th	
8.	Phython programming introduction	1	13.5.23	4th	
9.	Product description	1	15.5.23	2nd	
10.	Writing Minutes Of A Meeting	1	15.5.23	2nd	
11.	The Physics Of Sound	1	15.5.23	2nd	
12.	Writing paraphases	1	15.5.23	6th	
13.	Punctuation	1	15.5.23	6th	
14.	Capitalization	1	15.5.23	6th	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan

ACADEMIC YEAR :2022-2023

Faculty Name: **MOHAN T S**

Subject: **DATA STRUCTURES AND ALGORITHMS**
(Core II)

Subject Code: **21UCS02**

Year / Semester: **I / II**

Course: **B. Sc. (CS) 'C' Sec**

S. No.	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction of algorithms, analyzing algorithms	1	25/1/23	1	
2	Arrays : Representation of Arrays	1	27/1/23	2	
3	Implementation of Stacks	1	30/1/23	3	
4	Implementation of Queues	1	1/2/23	5	
5	Application of Stack: Evaluation of Expression	1	2/2/23	7	
6	Infix to postfix Conversion	1	3/2/23	2	
7	Multiple Stacks and Queues	1	6/2/23	3	
8	Sparse Matrices	1	8/2/23	1	
	UNIT-II				
1	Linked list	1	9/2/23	2	
2	Singly Linked list	1	10/2/23	3	
3	Linked stacks	1	13/2/23	4	
4	Linked queues	1	14/2/23	2	
5	Polynomial addition	1	15/2/23	1	
6	More on linked Lists, Doubly linked List	1	15/2/23	4	
7	Dynamic Storage Management	1	17/2/23	6	
8	Garbage collection and compaction	1	21/2/23	7	
	UNIT-III				
1	Trees: Basic Terminology	1	24/2/23	1	
2	Binary Trees, Binary Tree representations	1	27/2/23	2	

3	Binary tree Traversal, More on Binary Trees	1	1/3/23	2	
4	Threaded Binary trees, Counting Binary trees	1	3/3/23	7	
5	Graphs: Terminology and Representations	1	6/3/23	3	
6	Traversals	1	6/3/23	4	
7	Connected components and Spanning Trees	1	8/3/23	2	
8	Single Source Shortest path problem	1	9/3/23	1	
	UNIT-IV				
1	Symbol Tables : Static Tree Tables	2	13/3/23	5, 7	
2	Dynamic Tree Tables	1	16/3/23	2	
3	Hash Tables, Hashing Functions	2	20/3/23	3, 7	
4	Overflow Handling	1	24/3/23	4	
5	External sorting : Storage Devices	1	27/3/23	5	
6	Sorting with Disks : K-way merging	2	29/3/23	1, 4	
7	Sorting with tapes	1	3/4/23	5	
	UNIT-V				
1	Internal sorting : Insertion sort	1	5/4/23	1	
2	Quick sort-	1	10/4/23	2	
3	2 way Merge sort -	2	12/4/23	3, 6	
4	Heap sort	1	13/4/23	2	
5	Shell sort	1	17/4/23	3	
6	Sorting on keys	1	18/4/23	5	
7	Files: Files	1	19/4/23	6	
8	Queries and sequential organizations	1	25/4/23	2	
9	Index Techniques	1	26/4/23	3	
10	File organization	1	28/4/23	1	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

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M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan

ACADEMIC YEAR :2022-2023

y Name: **NAZIRULLAH S**

ct Code: **21UCS02**

se: **B. Sc. (CS) 'B' Sec**

Subject: **DATA STRUCTURES AND ALGORITHMS**
(Core II)
Year / Semester: **I / II**

o.	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
	Introduction of algorithms, analyzing algorithms	1	23/01/23	3	
	Arrays : Representation of Arrays	1	24/01/23	2	
	Implementation of Stacks	1	25/01/23	1	
	Implementation of Queues	1	27/01/23	7	
	Application of Stack: Evaluation of Expression	1	27/01/23	5	
5	Infix to postfix Conversion	1	06/02/23	3	
7	Multiple Stacks and Queues	1	07/02/23	2	
8	Sparse Matrices	1	08/02/23	1	
	UNIT-II				
1	Linked list	1	09/02/23	7	
2	Singly Linked list	1	10/02/23	5	
3	Linked stacks	1	13/02/23	3	
4	Linked queues	1	14/02/23	2	
5	Polynomial addition	1	15/02/23	1	
6	More on linked Lists, Doubly linked List	1	16/02/23	7	
7	Dynamic Storage Management	1	17/02/23	5	
8	Garbage collection and compaction	1	20/02/23	3	
	UNIT-III				
1	Trees: Basic Terminology	1	21/02/23	2	
2	Binary Trees, Binary Tree representations	1	21/02/23	7	

3	Binary tree Traversal, More on Binary Trees	1	23/02/23	7	
4	Threaded Binary trees, Counting Binary trees	1	24/02/23	5	
5	Graphs: Terminology and Representations	1	28/02/23	2	
6	Traversals	1	02/03/23	7	
7	Connected components and Spanning Trees	1	03/03/23	5	
8	Single Source Shortest path problem	1	09/03/23	7	
	UNIT-IV				
1	Symbol Tables : Static Tree Tables	2	10/03/23	5	
2	Dynamic Tree Tables	1	13/03/23	3	
3	Hash Tables, Hashing Functions	2	14/03/23	2	
4	Overflow Handling	1	16/03/23	7	
5	External sorting : Storage Devices	1	17/03/23	5	
6	Sorting with Disks : K-way merging	2	20/03/23	3	
7	Sorting with tapes	1	21/03/23	2	
	UNIT-V				
1	Internal sorting : Insertion sort	1	23/03/23	7	
2	Quick sort-	1	24/03/23	5	
3	2 way Merge sort -	2	27/03/23	3	
4	Heap sort	1	28/03/23	6	
5	Shell sort	1	30/03/23	7	
6	Sorting on keys	1	03/04/23	3	
7	Files: Files	1	06/04/23	7	
8	Queries and sequential organizations	1	10/04/23	3	
9	Index Techniques	1	11/04/23	6	
10	File organization	1	18/04/23	2	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

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M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Faculty Name: **NAZIRULLAH S**

Subject: **DATA STRUCTURES USING C**
(Core: Practical II)

Subject Code: **21UCSP02**

Year / Semester: **I / II**

Course: **B. Sc. (CS) 'B' Sec**

S.No	Exercises	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
1.	Program to create two array lists of integers. Sort and store the elements of both of them in third list.	3	25/01/23	1-4	
2.	Program to multiply two matrices A and B and store the resultant matrix in C using arrays.	3	01/02/23	1-4	
3.	Program to experiment the operation of STACK using array.	3	08/02/23	1-4	
4.	Program to create menu driven options to implement QUEUE to perform the following (i) Insertion (ii) Deletion (iii) Modification (iv) Listing of elements.	3	15/02/23	1-4	
5.	Program to create Linked list representations of employee records and do the following operations using pointers. (i) To add a new record. (ii) To delete an existing record. (iii) To print the details about an employee. (iv) To find the number of employees in the structure.	3	22/02/23	1-4	
6.	Program to count the total nodes of the linked list and to insert an element at the end of the linked list.	3	01/03/23	1-4	
7.	Program to insert an element at the beginning of a doubly linked list.	3	08/03/23	1-4	
8.	Program to display the hash table, using the mid square method.	3	15/03/23	1-4	
9.	Program to traverse the given binary tree using all traversal methods.	3	29/03/23	1-4	
10.	Program to insert an element in a binary tree.	3	05/04/23	1-4	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR : 2022-2023

Faculty Name: S.Nazimlah
Subject Code: 21UBA09
Course: B.B.A. 'A' Sec

Subject: MANAGEMENT INFORMATION SYSTEM
Year / Semester : II / IV

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT- I				
1	Introduction to Information system (IS)	1	23/01/23	1	
2	Data and Information	1	24/01/23	4	
3	Classification of Information	1	25/01/23	5	
4	Importance of Information System	1	27/01/23	3	
5	Components of information System	1	06/02/23	1	
6	Information system resources	1	07/02/23	4	
7	Management Information System (MIS)	2	08/02/23	5	
8	Meaning Of MIS	1	09/02/23	4	
9	Definition Of MIS	1	10/02/23	3	
10	Importance of MIS	1	13/02/23	1	
	UNIT-II				
1	Systems approach	1	14/02/23	4	
2	Introduction of System	1	15/02/23	5	
3	Characteristics of System	1	16/02/23	4	
4	Components of System	2	17/02/23	3	
5	System types	1	20/02/23	1	
6	System Development Life Cycle	2	21/02/23	4	
7	System Analysis	1	22/02/23	5	
8	System Design	1	23/02/23	4	
9	Steps in implementing systems	2	24/02/23	3	
10	Introduction of System analyst	1	27/02/23	1	
11	Meaning of System analyst	1	28/02/23	4	
12	Functions	1	01/03/23	5	
	UNIT-III				
1	Transaction Processing System	2	02/03/23	4	

2	Meaning of TPS	1	03/03/23	3	
3	Importance of TPS	1	06/03/23	1	
4	Components of TPS	1	08/03/23	5	
5	Decision Making	1	07/03/23	4	
6	Meaning of DecisionMaking	1	10/03/23	3	
7	Types of Decision Making	1	10/03/23	7	
8	Decision Support System (DSS)	2	11/03/23	1	
9	Characteristics of DSS	1	13/03/23	1	
10	Components of DSS	1	14/03/23	4	
11	Expert System (ES)	1	16/03/23	4	
12	Components of ES	1	17/03/23	3	
13	Applications of ES	1	18/03/23	1	
14	Introduction to Artificial Intelligence	2	20/03/23	1	
	UNIT-IV				
1	Office Automation System	2	21/03/23	4	
2	Meaning of OAS	1	23/03/23	4	
3	Benefits of OAS	1	24/03/23	3	
4	Executive Information System	2	25/03/23	1	
5	Components of EIS	1	27/03/23	1	
6	Advantages of EIS	1	28/03/23	4	
7	Functional Information System for Business	1	30/03/23	3	
8	Marketing Information System	1	01/04/23	1	
9	Human Resource Information System –	1	03/04/23	1	
10	Production / Manufacturing Information System	2	06/04/23	4	
11	Accounting Information System	2	08/04/23	1	
12	Finance Information System	1	10/04/23	1	
	UNIT-V				
1	Telecommunication revolution	1	11/04/23	4	
2	Introduction to Email, Internet	1	13/04/23	4	
3	Introduction of Intranet, Extranet,	1	15/04/23	1	
4	Introduction of Teleconferencing, video conferencing	2	17/04/23	1	

5	Introduction of Virtual office, ERP	1	18/04/23	4	
6	Benefits and challenges	1	20/04/23	4	
7	Electronic payments	1	25/04/23	4	
8	Introduction to cloud computing	1	27/04/23	4	
9	Concept of Big data	2	28/04/23	3	

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR : 20122-2023

Faculty Name: S.NAZIRULLAH Subject: Fundamentals of Computers and Communications
Subject Code: 21PCSEDA Year / Semester : I / II
Course: M.Sc.(MAT) & M.A.(ENG)

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction: What is computer?	1	23/01/23	4	
2	Components of Computers	2	23/01/23	7	
3	Advantages and Disadvantages of using computers	1	27/01/23	1	
4	Computer Software	1	27/01/23	6	
5	Categories of Computers	1	02/02/23	1	
6	Elements of information systems	1	02/02/23	5	
7	The Components of the Systems Unit	1	03/02/23	1	
8	Processor	1	03/02/23	6	
9	Data representation	1	09/02/23	1	
10	Memory	2	09/02/23	5	
11	Mobile Computers and Devices	1	10/02/23	1	
	UNIT-II				
1	Input and Output Device: What is input & what are input devices	2	10/02/23	6	
2	Keyboard & Pointing device	1	16/02/23	1	
3	Mouse & other pointing devices	2	16/02/23	5	
4	Voice input & Digital Cameras	1	17/02/23	1	
5	Video input , Scanners and Reading devices Terminals	2	17/02/23	6	
6	Biometric input & Input devices for physically challenged users	2	23/02/23	1	
7	Output: What is output?	1	23/02/23	5	
8	Display devices ,Monitors & Printers	1	24/02/23	1	
9	Speakers, Headphones and Ear phones	1	24/02/23	6	
10	Output device for physically challenged users & display devices Storage devices	2	02/03/23	1	

	UNIT-III				
1	Operating Systems and Utility Programs	2	02/03/23	5	
2	System Software	1	03/03/23	1	
3	Operating system	1	03/03/23	6	
4	Operating system functions	2	09/03/23	1	
5	Types of operating systems	1	09/03/23	5	
6	Standalone operating systems	1	10/03/23	1	
7	Network operating systems	1	10/03/23	6	
8	Embedded operating system	1	16/03/23	1	
9	Application Software: Application software	1	16/03/23	5	
10	Business software	1	17/03/23	1	
11	Graphics and Multimedia Software	2	17/03/23	6	
12	Application software for Communication	1	23/03/23	1	
	UNIT-IV				
1	Internet and World Wide Web: Internet	2	23/03/23	5	
2	History of the Internet	1	24/03/23	1	
3	How the Internet works	1	24/03/23	6	
4	WWW	1	30/03/23	1	
5	E-commerce	1	30/03/23	5	
6	Communications and Networks: Communications	2	06/04/23	1	
7	Uses of Computer Communications	1	06/04/23	5	
8	Networks	1	13/04/23	1	
9	Communication software	1	13/04/23	5	
10	Communication devices	1	20/04/23	1	
11	Communications Channel	1	20/04/23	5	
12	Physical transmission media and Wireless transmission media	1	21/04/23	1	
	UNIT-V				
1	Database Management: Databases, Data and Information	2	21/04/23	6	
2	The Hierarchy of data	1	25/04/23	1	
3	Maintaining data	1	25/04/23	3	

4	File processing versus databases	1	25/04/13	5	
5	Database management systems	1	26/04/13	5	
6	Relational, object oriented and multi dimensional databases	2	26/04/13	7	
7	Web databases	1	27/04/13	1	
8	Database administration	1	27/04/13	5	
9	Computer Security: Computer security risks	1	28/04/13	1	
10	Internet and network attacks	1	28/04/13	4	
11	Unauthorized access and use	1	28/04/13	6	

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR : 2022-2023

Faculty Name: S.NAZIRULLAH
Subject Code: 21PCS11
Course: M.Sc.(Computer Science)

Subject: MACHINE LEARNING
Year / Semester : II / IV SEM

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction	1	25/01/23	5	
2	Learning Problems	2	25/01/23	6	
3	Perspectives and Issues	1	30/01/23	6	
4	Concept Learning	1	30/01/23	7	
5	Version Spaces and Candidate Eliminations	2	31/01/23	5	
6	Inductive bias	1	31/01/23	6	
7	Decision Tree learning	1	06/02/23	6	
8	Representation & Algorithm	1	06/02/23	7	
9	Heuristic Space Search	2	07/02/23	5	
	UNIT-II				
1	Neural Networks and Genetic Algorithms	2	07/02/23	6	
2	Neural Network	1	13/02/23	6	
3	Representation & Problems	1	13/02/23	7	
4	Perceptrons	1	14/02/23	5	
5	Multilayer Networks and Back Propagation Algorithms	2	14/02/23	6	
6	Advanced Topics	1	20/02/23	6	
7	Genetic Algorithms	1	20/02/23	7	
8	Hypothesis Space Search	2	21/02/23	5	
9	Genetic programming	1	21/02/23	6	
10	Models of Evaluation and Learning	2	27/02/23	6	
	UNIT-III				
1	Bayesian and Computational Learning	2	27/02/23	7	

2	Bayes Theorem	1	25/01/23	5	
3	Concept Learning	1	25/01/23	6	
4	Maximum Likelihood	1	06/03/23	6	
5	Minimum Description Length Principle	2	06/03/23	7	
6	Bayes Optimal Classifier	1	13/03/23	6	
7	Gibbs Algorithm	1	13/03/23	7	
8	Naïve Bayes Classifier	1	14/03/23	5	
9	Bayesian Belief Network	2	14/03/23	6	
10	EM Algorithm	1	20/03/23	6	
11	Probability Learning	1	20/03/23	7	
12	Sample Complexity	1	21/03/23	5	
13	Finite and Infinite Hypothesis Spaces	2	21/03/23	6	
14	Mistake Bound Model	1	27/03/23	6	
	UNIT-IV				
1	Instant based Learning	2	27/03/23	7	
2	K-Nearest Neighbour Learning	1	28/03/23	5	
3	Locally weighted Regression	2	28/03/23	6	
4	Radial Basis Functions	1	03/04/23	6	
5	Case Based Learning	2	03/04/23	7	
	UNIT-V				
1	Advanced Learning	2	10/04/23	6	
2	Learning Sets of Rules	1	10/04/23	7	
3	Sequential Covering Algorithm	2	11/04/23	5	
4	Learning Rule Se	1	11/04/23	6	
5	First Order Rules	1	17/04/23	6	
6	Sets of First Order Rules	2	17/04/23	7	
7	Induction on Inverted Deduction	2	18/04/23	5	
8	Inverting Resolution	1	18/04/23	6	
9	Analytical Learning	1	19/04/23	7	
10	Perfect Domain Theories	1	25/04/23	1	

11	Explanation Base Learning	1	25/04/23	3	
12	FOCL Algorithm	1	25/04/23	5	
13	Reinforcement Learning & Task	2	26/04/23	7	
14	Q-Learning	1	27/04/23	2	
15	Temporal Difference Learning	2	28/04/23	2	

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

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PRINCIPAL

M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
LESSON PLAN
ACADEMIC YEAR :2022-23

Faculty Name: M.KARTHIKEYAN
Subject Code: 21UCSP04
Subject: Practical- JAVA PROGRAMMING
Year / Semester : II / IV

Course : B.Sc (Computer Science)

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
1	Write a program to find the Area of Square, Rectangle and Circle using Method Overloading.	3	10/02/23	5 to 7	✓
2	Write a program to sort the list of numbers using Command Line Arguments	3	17/02/23	5 to 7	✓
3	Write a program to multiply the given two matrices	3	24/02/23	5 to 7	✓
4	Write a program to design a class to represent a bank account. Include the following: Data Members: Name of the depositor, Account number, Type of account, and Balance amount in the account. Methods: To assign initial values, To deposit an amount, To withdraw an amount after checking balance, and To display the name and balance.	3	03/03/23	5 to 7	✓
5	Write a program that import the user defined package and access the Member variable of classes that contained by Package	3	10/03/23	5 to 7	✓
6	Write a program to handle the Exception using try and multiple catch blocks.	3	17/03/23	5 to 7	✓
7	Write a program to illustrate the use of multi threads	3	17/03/23	5 to 7	✓
8	Write a program to create student registration form using applet with Name, Address, Sex, Class, Email-id.	3	24/03/23	5 to 7	✓
9	Write a program to draw the line, rectangle, oval, text using the graphics method	3	31/03/23	5 to 7	✓
10	Write a program to create a sequential file that could store details about five products. Details include product code, cost, and number of items available and are provided through the keyboard. Compute and print the total value of all the five products	3	01/04/23	5 to 7	✓

Teaching Methods: Lecture using Board, LCD & Discussion

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M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
LESSON PLAN
ACADEMIC YEAR :2022-23

Faculty Name: M.KARTHIKEYAN
Subject Code: 21UCS06
Subject: PROGRAMMING IN JAVA
Year / Semester: II B.Sc. "B" / IV

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I (15)				
1	Introduction to OOPS	1	6/2/23	2	
2	Paradigms of Programming Languages	1	7/2/23	4	
3	Basic concepts of Object Oriented Programming	1	8/2/23	1	
4	Differences between Procedure Oriented Programming and Object Oriented programming	1	9/2/23	2	
5	Benefits of OOPs	1	10/2/23	5	
6	Application of OOPs	1	13/2/23	2,5	
7	Java: History	1	14/2/23	4	
8	Java features	1	15/2/23	1	
9	Java Environment: JDK and API	1	16/2/23	2	
10	Introduction to Java: Types of java program	1	17/2/23	3	
11	Creating and Executing a Java program	1	20/2/23	2	
12	Java Tokens	1	21/2/23	4	
13	Java Virtual Machine (JVM)	1	22/2/23	1	
14	Command Line Arguments	1	23/2/23	2	
15	Comments in Java program.	1	24/2/23	5	
	UNIT-II (12)				
1	Constants	1	27/2/23	2	
2	Variables, Scope of variables	1	28/2/23	4	
3	Datatypes, Type Casting	1	1/3/23	1	
4	Operators, Special operators	1	2/3/23	2	
5	Expressions – Evaluation of Expressions.	1	3/3/23	3	
6	Decision making and branching statements	1	6/3/23	2	
7	Decision making and Looping, break, continue	1	8/3/23	4	
8	Arrays: One Dimensional Array	1	9/3/23	2	

9	Creating an array – Array processing	1	10|3|23	3	
10	Multidimensional Array	1	12|3|23	2	
11	Vectors – ArrayList	1	14|3|23	4	
12	Advantages of Array List over Array Wrapper classes.	1	15|3|23	1	
	UNIT-III (14)				
1	Class and objects: Defining a class	1	16|3|23	2	
2	Methods – Creating objects	1	17|3|23	3	
3	Accessing class members	1	20|3|23	2	
4	Constructors	1	27|3|23	2	
5	Method overloading	1	28|3|23	4	
6	Static members –Nesting of Methods	1	30|3|23	2	
7	this keyword – Command line input	1	31|4|23	3	
8	Inheritance: Defining inheritance –types of inheritance	1	6|4|23	2	
9	Overriding methods	1	7|4|23	3	
10	Final variables and methods – Final classes – Final methods	1	10|4|23	2	
11	Abstract methods and classes – Visibility Control	1	11|4|23	4	
12	Interfaces: Defining interface – Extending interface	1	12|4|23	1	
13	Implementing Interface - Accessing interface variables.	1	13|4|23	2	
14	Strings: String Array – String Methods – String Buffer Class.	1	17|4|23	2	
	UNIT-IV (11)				
1	Packages: Java API Packages	1	27|2|23	5	
2	System Packages – Naming Conventions	1	28|2|23	4	
3	Creating & Accessing a Package	1	1|3|23	1	
4	Adding Class to a Package – Hiding Classes	1	2|3|23	5	
5	Exception Handling: Limitations of Error handling – Advantages of Exception Handling	1	3|3|23	3	
6	Types of Errors – Basics of Exception Handling – try blocks – throwing an exception – catching an exception – finally statement	1	6|3|23	5	
7	Multithreading: Creating Threads – Life of a Thread	1	8|3|23	1	
8	Defining & Running Thread – Thread Methods – Thread Priority	1	9|3|23	5	

9	Synchronization	1	10/3/23	3	
10	Implementing Runnable interface	1	14/3/23	4	
11	Thread Scheduling.	1	17/3/23	3	
	UNIT-V(15)				
1	I O Streams: File – Streams – Advantages	1	20/3/23	5	
2	The stream classes	1	23/3/23	5	
3	Byte streams –Character streams	1	27/3/23	5	
4	Applets: Introduction	1	28/3/23	4	
5	Applet Life cycle – Creating & Executing an Applet	1	30/3/23	5	
6	Applet tags in HTML	1	3/4/23	5	
7	Parameter tag – Aligning the display	1	6/4/23	5	
8	Graphics Class: Drawing and filling lines	1	7/4/23	3	
9	Rectangles – Polygon – Circles, Arcs – Line Graphs – Drawing Bar charts	1	10/4/23	5	
10	AWT Components and Event Handlers: Abstract window tool kit	1	11/4/23	4	
11	Event Handlers – Event Listeners	1	12/4/23	1	
12	AWT Controls and Event Handling: Labels – Text Component	1	13/4/23	5	
13	Action Event – Buttons	1	17/4/23	5	
14	Check Boxes – Item Event – Choice– Scrollbars	1	18/4/23	4	
15	Layout Managers- Input Events – Menus.	1	19/4/23	1	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

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M.G.R.COLEGE,HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: M.KARTHIKEYAN Subject: E-COMMERCE
Subject Code: 21UCC08 Year / Semester: II B.Com (CA) / IV Semester

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	E-Commerce – meaning	1	6/2/23	7	
2	Evolution in India	1	7/2/23	2	
3	Traditional commerce Vs E-Commerce	1	8/2/23	5	
4	Factors driving the growth of E-Commerce	2	9/2/23 10/2/23	7 4	
5	Benefits and limitations	1	13/2/23	7	
6	Businessmodels forE-Commerce	1	14/2/23	2	
7	E-Commerce opportunities in India and challenges	2	15/2/23 16/2/23	5 7	
	UNIT-II				
1	Electronic Data Interchange	1	17/2/23	4	
2	Benefits	1	20/2/23	7	
3	EDI Legal	1	21/2/23	2	
4	EDI Security and Privacy issues	1	22/2/23	5	
5	EDIsoftware implementation	2	23/2/23	7	
6	Value Added Network	1	24/2/23	4	
7	Internal Information Systems	1	27/2/23	7	
8	Workflow automization and Coordination	1	28/2/23	2	
9	Customization and internal commerce	1	1/3/23	5	
	UNIT-III				
1	Network security and firewalls	1	2/3/23	7	
2	Client Server Network Security	2	3/3/23	4	
3	Emerging client serversecurity threats	1	6/3/23	7	
4	Firewalls and network security	2	8/3/23	5	
5	Data and message security	1	9/3/23	4	

6	Encrypteddocuments and electronic mail	1	10/3/23	4	
7	Hypertext publishing	1	13/3/23	7	
8	Technology behind the web	2	14/3/23	2	
9	Security and the web.	1	15/3/23	5	
	UNIT-IV				
1	Consumer Oriented Electronic Commerce	1	16/3/23	7	
2	Consumer Oriented Applications	1	17/3/23	4	
3	Mercantile Process Models	2	20/3/23	7	
4	Mercantile Models from the Consumers Perspective	1	27/3/23	7	
5	Mercantile Modelsfrom the Merchants Perspective.	1	28/3/23	2	
6	Web advertisement	1	30/3/23	7	
7	Online advertising methods	2	3/4/23	7	
8	Advertising strategies and promotions.	1	6/4/23	7	
	UNIT-V				
1	Electronic Payment Systems	1	7/4/23	4	
2	Types	1	10/4/23	7	
3	Digital Token Based Electronic Payment System	2	11/4/23	2	
4	Smart Card	1	12/4/23	5	
5	Credit Card	1	13/4/23	7	
6	Electronic Payment Systems	1	17/4/23	7	
7	Electronic Payment Systems Risk	2	18/4/23	2	
8	Designing Electronic Payment System.	1	19/4/23	5	
9	Mobile Commerce	1	20/4/23	7	
10	Mobile Commerce benefits	2	21/4/23	4	
11	Products and service of M-Commerce.	1	24/4/23	7	

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

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M.G.R.COLEGE,HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: M.KARTHIKEYAN
Subject Code:21UCSN03

Subject: BASICS OF INTERNET
Year / Semester: II B.B.A / IVSemester

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction To The Internet	1	6/2/23	3	
2	Computer in Business Networking	1	7/2/23	3	
3	Internet -E-mail	1	8/2/23	4	
4	Resource Sharing	2	9/2/23	3	
5	Gopher	1	10/2/23	1	
6	World Wide Web, Telnet	1	13/2/23	3	
7	Bulletin Board Service, Wide Area Information Service	1	14/2/23	3	
	UNIT-II				
1	Internet Technologies	1	15/2/23	4	
2	Modem	1	16/2/23	3	
3	Internet addressing	1	17/2/23	1	
4	InternetExplorer	1	20/2/23	3	
5	Netscape Navigator	2	22/2/23 23/2/23	4 3	
6	Physicalconnections	1	24/2/23	1	
7	Telephone Line	1	27/2/23	3	
8	Internet browsers	1	28/2/23	3	
	UNIT-III				
1	Introduction to HTML	1	2/3/23	4	
2	Designing a home page	1	2/3/23	3	
3	HTMLdocuments	1	3/3/23	1	
4	Anchor tag	2	6/3/23	3	
5	Hyper Links	1	8/3/23	4	
6	Traditional text andformatting	1	9/3/23	3	

UNIT-IV					
1	Types of lists	1	10/3/23	1	P
2	Ordered, Unordered	1	13/3/23	3	P
3	Nesting List	1	14/3/23	3	P
4	Other tags	1	15/3/23	4	P
5	Marquee, HR, BR	1	16/3/23	3	P
6	Using Images	1	17/3/23	1	P
7	Creating Hyperlinks,Tables	2	20/3/23 27/3/23	3 3	P P
8	Creating basic Table, Table elements, Caption	1	30/3/23	3	P
9	Tableand cell alignment	1	3/4/23	3	P
10	Rowspan, Colspan	1	6/4/23	3	P
11	Cell padding	1	7/4/23	1	P
UNIT-V					
1	Frames	1	10/4/23	3	P
2	Frameset	1	11/4/23	3	P
3	Targeted Links	1	17/4/23	3	P
4	No frame	1	18/4/23	3	P
5	Forms Input	1	19/4/23	4	P
6	FormsText area	1	20/4/23	3	P
7	FormsSelect	1	21/4/23	1	P
8	FormsOption	1	24/4/23	3	P

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

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M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Name: P.THENMOZHI
Code: 21UES01
B.Sc(Computer Science)

Subject : Environmental Studies
Year / Semester : I- B.Sc(CS) / II

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
Introduction to environmental studies	1	23.1.23	IV	
Multidisciplinary nature of environmental studies; components of environment – atmosphere, hydrosphere, lithosphere and biosphere.	1	28.1.23	I	
Scope and importance; Concept of sustainability and sustainable development. (2 Lectures)	1	13.2.23	IV	
UNIT-II				
Ecosystem				
What is an ecosystem? Structure and function of ecosystem	2	20.2.23 25.2.23	IV I	
Energy flow in an ecosystem: food chain, food web and ecological succession	2	27.2.23 6.3.23	IV	
Case studies: Forest ecosystem b) Grassland ecosystem c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)	2	13.3.23 17.3.23	I IV	
UNIT-III				
Natural Resources: Renewable and Non-renewable Resources	1	20.3.23	IV	
Land Resources and land use change; Land degradation, soil erosion and desertification.	1	20.3.23	IV	
Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations.	1	20.3.23	IV	
Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state).	1	25.3.23	I	
Heating of earth and circulation of air; air mass formation and precipitation.	1	25.3.23	I	

Energy resources: Renewable and non -renewable energy sources, use of alternate energy sources, growing energy needs, case studies.	1	25.3.23	I	
UNIT-IV				
Biodiversity and Conservation				
Levels of biological diversity :genetic, species and ecosystem diversity; Biogeography zones of India; Biodiversity patterns and global biodiversity hot spots	1	27.3.23	I	
India as a mega -biodiversity nation; Endangered and endemic species of India	1	27.3.23	I	
Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex - situ conservation of biodiversity.	1	27.3.23	I	
Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.	1	27.3.23	I	
UNIT-V				
Environmental pollution : types, causes, effects and controls; Air, water, soil, chemical and noise pollution	1	3.4.23	I	
Nuclear hazards and human health risks	1	3.4.23	I	
Solid waste management: Control measures of urban and industrial waste..	1	3.4.23	I	
Pollution case studies.	1	3.4.23	I	
UNIT-VI				
Environmental Policies & Practices	1	10.4.23	I	
Climate change, global warming, ozone layer depletion, acid ra in and impacts on human communities and agriculture.	1	10.4.23	I	
Environment Laws:Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act; International agreements; Montreal and Kyoto protocols and conservation on Biological Diversity (CBD). The Chemical Weapons Convention (CWC).	1	10.4.23	I	
Nature reserves, tribal population and rights, and human, wildlife conflicts in Indian context	1	10.4.23	I	

UNIT-VII

Communities and the Environment				
Human population and growth: Impacts on environment, human health and welfares.	1	17.4.23	I	
Carbon foot-print	1	17.4.23	I	
Resettlement and rehabilitation of project affected persons; case studies.		17.4.23	I	
Disaster management: floods, earthquakes, cyclones and landslides.	1	17.4.23	I	
Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan.	1	17.4.23	I	
Environmental ethics: Role of Indian and other religions and cultures in environmental conservation.	1	17.4.23	I	
Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi).	1	17.4.23	I	

UNIT-VIII

Field work				
Visit to an area to document environmental assets: river/forest/flora/fauna, etc.	1	20.4.23	II	
Visit to a local polluted site – Urban/Rural/Industrial/Agricultural.	1	20.4.23	II	
Study of common plants, insects, birds and basic principles of identification.	1	20.4.23	II	
Study of simple ecosystems-pond, river, Delhi Ridge, etc.	1	20.4.23	II	

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

11/5/23

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M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: P.THENMOZHI
Subject Code : 21UCSAD3
Course : B.Com(CA)

Subject: DATABASE MANAGEMENT SYSTEM
Year / Semester : I-B.Com(CA) / II

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction: Database System Application	2	24.1.23 25.1.23	II, IV	
2	Purpose of Database System View of Data	1	26.1.23	III	
3	View of Data	1	6.2.23	III	
4	Data Model	2	8.2.23 13.2.23	II, VI	
5	Database Language	1	15.2.23	III	
6	Relational Database	2	18-2-23 20.2.23	IV	
7	Database Design	1	23-2-23 25.2.23	II, VII	
8	Data Storage and Query	1	28-2-23	III	
9	Transaction Management	1	3-3-23	II	
10	Database Architecture	2	8-3-23 10-3-23	III, V	
11	Database User and Administrator	1	14-3-23	IV	
12	History of Database System	1	15-3-23	III	
	UNIT-II				
1	Relational Database: Structure of Relational Databases	1	17-3-23	II	
2	Database Schemas	2	18-3-23	VII	
3	Keys	2	21-3-23 23-3-23	II, III	
4	Schema Diagrams	1	24-3-23	III	
5	Relational Query Language	1	27-3-23	II	
6	SQL: Overview of the SQL Query Language	1	28-3-23	II	
7	SQL Data Definition	1	28-3-23	VI	
8	Basic Structure of SQL Queries	1	29-3-23	III	

Set operations	2	30-3-23 3-4-23	II, III	
Null Values	1	4-4-23	II	
Aggregate Functions	1	4-4-23	VI	
Nested Sub queries	1	5-4-23	IV	
Modification of the Database.	1	6-4-23	III	
UNIT-III				
Intermediate SQL	2	11-4-23	II, IV	
Join Expressions	1	12-4-23	I	
View	1	12-4-23	IV	
Transactions	1	12-4-23	V	
Authorization	2	13-4-23	III	
Advance SQL: Functions and Procedures	1	15-4-23	II	
Triggers	2	15.4.23	II	
Formal Relational Queries Languages	1	17-4-23	II	
The Relational Algebra	1	17-4-23	II	
The Tuple Relational Calculus	2	17.4.23	VI	
The Domain Relational Calculus	1	17-4-23	VI	
UNIT-IV				
Database Design and the E-R Model	2	18.4.23	II	
Overview of the Data Process	1	18-4-23	II	
The Entity	1	18.4.23	II	
Relationship Model	1	18-4-23	VI	
Constraints	1	18-4-23	IV	
Entity-Relationship Diagram	1	18.4.23	VI	
Entity-Relationship Design Issues	1	19.4.23	VII	
Extended E-R Features	2	19.4.23	IV	
Relational Database Design	1	19.4.23	VII	
Atomic Domain and First Normal Form	1	19.4.23	VII	
Decomposition using Functional Dependency	2	20.4.23	III	
More Normal Form.	1	20.4.23	III	

UNIT-V					
1	Database System Architectures	2	24.4.23	I	
2	Centralized and Client	1	24.4.23	I	
3	System Architectures	1	24.4.23	V	
4	Server System Architectures	2	25.4.23	II	
5	Parallel Systems	1	25.4.23	VII	
6	Distributed Systems	1	26.4.23	IV	
7	Network Types	1	26.4.23	IV	
8	Storage	1	26.4.23	VII	
9	Distributed Transaction	1	26.4.23	VII	
10	Commit Protocols	1	29.4.23	III	
11	Cloud Based Databases	1	29.4.23	III	
12	Directory Systems	2	01.05.23	II	

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

11/5/23

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M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name : P.THENMOZHI
Subject Code : 21UCSA02
Course : B.Sc(MicroBiology)

Subject: COMPUTER APPLICATIONS IN OFFICE
Year / Semester : II-MicroBiology / IV

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	MS Word Exploring Word 2007: Working in the Word Environment	1	23.1.23	I	
2	Opening, Moving Around in, and closing Document	2	24.1.23 27.1.23	IV, I	
3	Creating and Saving A Document	1	6.2.23	V	
4	Previewing and Printing Document	1	7.2.23	IV	
5	Editing and Proofreading Documents	1	8.2.23	I	
6	Making Changes to document	1	13.2.23	IV	
7	Inserting Saved Text	1	15.2.23	IV	
8	Finding the Most Appropriate Word	1	16.2.23	IV	
9	Reorganizing a Document Outline	1	20.2.23	I	
10	Finding and Replacing Text	1	22.2.23	IV	
11	Correcting spelling and Grammatical errors	1	23.2.23	IV	
12	Finalizing Document	1	25.2.23	I	
	UNIT-II				
1	MS Word Changing the Look of Text	1	27.2.23	IV	
2	Quickly Formatting Text and Paragraphs	1	28.2.23	I	
3	Manually changing the look of characters	1	30.2.23	IV	
4	Manually changing the look of paragraphs	1	2-3-23	IV	
5	Creating and modifying Lists-Presenting Information in Columns and Tables	2	4.3.23 6.3.23	I	

6	Presenting Information in Columns	1	10.2.23	I	
7	Creating Tabular List	1	13-2-23	I	
8	Presenting Information in a Table	1	14.2-23	IV	
9	Formatting Table Information	1	15-2-23	IV	
10	Performing Calculations in a Table	1	15.2.23	VII	
11	Using a Table to control Page Layout	2	16-2-23 17-2-23	V IV	
	UNIT-III				
1	MS Excel Setting Up a Workbook	1	20-3-23	I	
2	Creating Workbooks	1	21-3-23	IV	
3	Modifying Workbooks	1	23-3-23	I	
4	Modifying Worksheets	1	24-3-23	I	
5	Working with Data and Data Tables	2	26-3-23	I, IV	
6	Entering and Revising Data	1	27-3-23	II	
7	Moving Data within a Workbook	1	28-3-23	IV	
8	Finding and Replacing Data	1	29.3-23	I	
9	Correcting and Expanding Upon Worksheet Data	1	31.3-23	III	
10	Defining a Table	1	31-3-23	VI	
11	Performing Calculations on Data	2	31.3.23	VII	
12	Naming Groups of Data	1	3.4.23	I	
13	Creating Formulas to Calculate Values	1	4.4.23	VII	
14	Summarizing Data that meets Specific Conditions	1	5.4.23	IV	
15	Finding and Correcting Errors in Calculations	1	5.4.23	I	
16	Changing Document Appearance	1	7.4.23	IV	
	UNIT-IV				
1	MS-Access: Introduction	1	18.4.23	IV	
2	Parts of an Window	1	18.4.23	IV	
3	Creating a New Data Base	2	18.4.23	IV	
4	Table Wizard	1	18.4.23	VII	
5	Renaming	1	19.4.23	I	

6	Saving the Database	1	19.4.23	I	
7	Relationships	2	19.4.23	I	
8	Query	1	20.4.23	VI	
9	Form	1	20.4.23	VII	
10	Reports	1	21.4.23	VI	
11	Exiting MS-Access	1	21.4.23	IV	

UNIT-V

1	MS PowerPoint Starting a New Presentation	1	10.4.23	I	
2	Working with Slide Text	1	10.4.23	VII	
3	Entering Text	1	11.4.23	IV	
4	Editing Text	1	12.4.23	V	
5	Adding and Manipulating Text Boxes	2	13.4.23	VI	
6	Correcting and Sizing text	1	13.4.23	VII	
7	Checking Spelling	1	15.4.23	I	
8	Finding and replacing text and fonts	1	15.4.23	I	
9	Changing the size, Alignment, Spacing	1	15.4.23	VII	
10	Adjusting the Slide Layout, Order and Look	1	16.4.23	IV	
11	Changing the Layout of a slide	1	16.4.23	IV	
12	Rearranging Slides in a Presentation	2	16.4.23	IV	
13	Applying a theme	1	17.4.23	I	
14	Switching to a Different Color Scheme	1	17.4.23	I	
15	Adding Shading and texture to the background of a slide	1	17.4.23	I	
16	Delivering a Presentation Electronically	1	17.4.23	V	

Teaching Methods: Lecture using Board, LCD , Discussion & Field Visit

11/5/23

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R.COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Faculty Name: P.THENMOZHI
Subject Code: 21UCSAP01
Class : II-Microbiology

Subject: OFFICE AUTOMATION LAB
Year / Semester: II /IV

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	MS WORD				
1	Text manipulation: write a paragraph about your institution and change the font size, and type spell check	3	09-02-23	5,6,7	
2	Bio data: prepare a Bio data	3	16-02-23	5,6	
3	Find and replace: write a paragraph about yourself and do the following.	3	16-02-23	6,7	
4	Find and replace-use numbering bullets, footer and Header.	3	16-02-23	6.7	
5	Table and manipulation: creation, insertion, deletion (columns and rows) create a mark sheet.	3	23-02-23	5	
6	Mail merge: prepare an invitation to invite your friends to your birthday party. prepare at least five letters	3	23-02-23	6,7	
	MS EXCEL				
1	Data sorting-ascending and descending(both numbers &alphabets)	3	02-03-23	5,6,7	
2	Mark list preparation for a student	3	09-03-23	5,6	
3	Individual pay bill preparation	3	09-03-23	7	
4	Invoice report preparation	3	16-03-23	5	
5	Drawing graphs take your own table	3	16-03-23	6,7	
	MS POWER POINT				
1	Create a slide show presentation for a seminar	3	23-03-23	5,6,7	
2	Prepare of organization charts	3	30-03-23	5,6	
3	Create a slide show presentation to display percentage students	3	30-03-23	7	
4	Use bar chart (X-axis: semester ,Y- axis %mark)	3	06-04-23	5	
5	Use different presentation template	3	06-04-23	6,7	

FACULTY

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HEAD OF THE DEPARTMENT

PRINCIPAL

M.G.R.COLEGE,HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

Faculty Name: U. SARASWATHI Subject : E-COMMERCE
Subject Code: 21UCC08 Year / Semester : II B.Com (CA) / IVSemester

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial Remark
	UNIT-I				
1	E-Commerce – meaning	1	22.1.23	2	
2	Evolution in India	1	24.1.23	4	
3	Traditional commerce Vs E-Commerce	1	25.1.23	1	
4	Factors driving the growth of E-Commerce	2	25.1.23 27.1.23	1,5	
5	Benefits and limitations	1	30.1.23	2	
6	Business models for E-Commerce	1	31.1.23	4	
7	E-Commerce opportunities in India and challenges	2	1.2.23	1,5	
	Unit-II				
1	Electronic Data Interchange	1	3.2.23	5	
2	Benefits	1	4.2.23	2	
3	EDI Legal	1	6.2.23	2	
4	EDI Security and Privacy issues	1	7.2.23	4	
5	EDI software implementation	2	8.2.23	1,5	
6	Value Added Network	1	10.2.23	5	
7	Internal Information Systems	1	11.2.23	2	
8	Work flow automization and Coordination	1	13.2.23	2	
9	Customization and internal commerce	1	14.2.23	4	
	Unit-III				
1	Network security and firewalls	1	15.2.23	1	
2	Client Server Network Security	2	15.2.23	5,6	
3	Emerging client server security threats	1	17.2.23	5	
4	Firewalls and network security	2	20.2.23	1,2	
5	Data and message security	1	21.2.23	4	

6	Encrypted documents and electronic mail	1	22.2.23	1	
7	Hypertext publishing	1	22.2.23	5	
8	Technology behind the web	2	24.2.23	5,6	
9	Security and the web.	1	27.2.23	2	
	Unit-IV				
1	Consumer Oriented Electronic Commerce	1	28.2.23	4	
2	Consumer Oriented Applications	1	1.3.23	1	
3	Mercantile Process Models	2	3.3.23 6.3.23	5.2	
4	Mercantile Models from the Consumers Perspective	1	7.3.23	4	
5	Mercantile Models from the Merchants Perspective.	1	8.3.23	1	
6	Web advertisement	1	9.3.23	5	
7	Online advertising methods	2	10.3.23	5,6	
8	Advertising strategies and promotions.	1	15.3.23	1	
	Unit-V				
1	Electronic Payment Systems	1	17.3.23	5	
2	Types	1	20.3.23	2	
3	Digital Token Based Electronic Payment System	2	24.3.23	5,6	
4	Smart Card	1	29.3.23	1	
5	Credit Card	1	3.4.23	2	
6	Electronic Payment Systems	1	4.4.23	4	
7	Electronic Payment Systems Risk	2	5.4.23	1, 5	
8	Designing Electronic Payment System.	1	7.4.23	5	
9	Mobile Commerce	1	12.4.23	1	
10	Mobile Commerce benefits	2	17.4.23	2,4	
11	Products and service of M-Commerce.	1	25.4.23	4	

Teaching Methods: Lecture using Board, LCD ,Discussion & Field Visit

N. Sruthi

FACULTY

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HEAD OF THE DEPARTMENT

PRINCIPAL

[V. Saraswathi]

M.G.R. COLLEGE HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: **V.SARASWATHI** Subject: **PROFESSIONAL ENGLISH –II**
Subject Code: **20UPES02** Year / Semester : **I/II**
Course:**I- BSC CS 'C'**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial Remarks
	UNIT-I COMMUNICATIVE COMPETENCE				
1.	Calculus can save life	1	25.1.23	6	
2.	Group Discussion	1	27.1.23	6	
3.	Coding as a creative art	1	31.1.23	6	
4.	Listening Comprehension	1	1.2.23	6	
5.	Post- listening Activities	1	6.2.23	6	
6.	Relativity of space and time	1	8.2.23	6	
7.	Task and answers	1	12.2.23	6	
8.	The spirit of chemical sciences	1	15.2.23	6	
9.	Task and answers	1	15.2.23	6	
	UNIT-II PERSUASIVE COMMUNICATION				
1.	Counting the sequence	1	20.2.23	6	
2.	Task and answers	1	22.2.23	6	
3.	Comprehension	1	27.2.23	6	
4.	Pronunciation practices	1	1.3.23	6	
6.	Robots come in peace	1	6.3.23	6	
7.	Artificial intelligence	1	8.3.23	6	
8.	Group discussion	1	13.3.23	6	
9.	Essay writing	1	15.3.23	6	
10.	Reading activities	1	20.3.23	6.7	
11.	Electronic fitness tracker	2	22.3.23	6.7	
12.	Sequencing the sentences	1	27.3.23	6	
13.	Lavoiser – The Father Of Modern Chemistry	2	29.3.23	5.6	
14.	Post listening activities	1	3.4.23	6	

UNIT-III- DIGITAL COMPETENCE					
1.	The Fibonacci Around Us	2	3/4.4.23	4	
2.	Reading and listening activities	1	5.4.23	6	
3.	Post listening activities	1	6.4.23	5	
4.	Oral fluency activity	1	10.4.23	6	
5.	Story building	1	10.4.23	6	
6.	Software Localization And Social Justice	1	10.4.23	7	
7.	Post reading activity	1	12.4.23	6	
8.	Digital Competence For Academic And Professional Life	1	12.4.23	6	
9.	Electronic Warfare And Defence	1	12.4.23	6	
10.	Electronic attack	1	13.4.23	4	
11.	Post reading activity	1	13.4.23	4	
12.	Phosgene - The Deadly Villain Of The Bhopal Gas Tragedy	1	15.4.23	2	
UNIT-IV CREATIVITY AND IMAGINATION					
1.	Walking On Water Like A Water Strider: A Glimpse On Surface Tension	1	15.4.23	2	
2.	Surface Tension	1	17.4.23	6	
3.	Post writing activities	1	17.4.23	6	
4.	Pre Reading Activity	1	17.4.23	6	
5.	The Invention Story Of Barcodes	1	18.4.23	4	
6.	Phrases , nouns, verbs	1	18.4.23	4	
7.	Acid-Base Chemistry With At-Home Volcanoes	2	19.4.23	6	
8.	Post reading activities	1	19.4.23	6	
9.	Ada And Her Breakthrough In Analytical Engine	2	20.4.23	5	
10.	Creating Web Pages, Blogs, Flyers And Brochures	1	20.4.23	6	
UNIT-V WORKPLACE COMMUNICATION & BASICS OF ACADEMIC WRITING					
1.	Workplace Communication	1	20.4.23	6	
2.	Academic Powerpoint Presentation	1	21.4.23	5	
3.	Preparation of an effective PPT	1	21.4.23	5	
4.	Post reading activities	1	24.4.23	6	
5.	Artificial Intelligence - Siri, Cortana, And	1	24.4.23	6	

M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan

ACADEMIC YEAR :2022-2023

Name: SOMASUNDARA VITHYA A

Subject: DATA STRUCTURES AND ALGORITHMS (Core II)

Code: 21UCS02

Year / Semester: I / II

B. Sc. (CS) 'A' Sec

S. No.	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction of algorithms, analyzing algorithms	1	25/1/2023	2	Sithy
2	Arrays : Representation of Arrays	1	27/1/2023	1	Sithy
3	Implementation of Stacks	2	30/1/2023	2, 6	Sithy
4	Implementation of Queues	1	01/2/2023	2	Sithy
5	Application of Stack: Evaluation of Expression	1	02/2/2023	5	Sithy
6	Infix to postfix Conversion	1	03/2/2023	1	Sithy
7	Multiple Stacks and Queues	1	06/2/2023	6	Sithy
8	Sparse Matrices	1	08/2/2023	2	Sithy
	UNIT-II				
1	Linked list	1	09/2/2023	5	Sithy
2	Singly Linked list	1	10/2/2023	1	Sithy
3	Linked stacks	1	13/2/2023	6	Sithy
4	Linked queues	1	14/2/2023	1	Sithy
5	Polynomial addition	1	14/2/2023	2	Sithy
6	More on linked Lists, Doubly linked List	1	15/2/2023	2	Sithy
7	Dynamic Storage Management	1	17/2/2023	1	Sithy
8	Garbage collection and compaction	1	21/2/2023	2	Sithy
	UNIT-III				
1	Trees: Basic Terminology	1	24/2/2023	1	Sithy
2	Binary Trees, Binary Tree representations	1	27/2/2023	6	Sithy

3	Binary tree Traversal, More on Binary Trees	1	01/3/2023	2	
4	Threaded Binary trees, Counting Binary trees	1	03/3/2023	1	
5	Graphs: Terminology and Representations	1	06/3/2023	6	
6	Traversals	1	08/3/2023	2	
7	Connected components and Spanning Trees	1	09/3/2023	5	
8	Single Source Shortest path problem	1	13/3/2023	6	
	UNIT-IV				
1	Symbol Tables : Static Tree Tables	2	15/3/2023	2,7	
2	Dynamic Tree Tables	1	16/3/2023	1	
3	Hash Tables, Hashing Functions	2	20/3/2023 24/3/2023	6,1	
4	Overflow Handling	1	27/3/2023	6	
5	External sorting : Storage Devices	1	29/3/2023	2	
6	Sorting with Disks : K-way merging	2	30/3/2023 03/4/2023	5,6	
7	Sorting with tapes	1	05/4/2023	2	
	UNIT-V				
1	Internal sorting : Insertion sort	1	06/4/2023	5	
2	Quick sort-	1	10/4/2023	6	
3	2 way Merge sort -	2	12/4/2023	2,7	
4	Heap sort	1	13/4/2023	5	
5	Shell sort	1	17/4/2023	6	
6	Sorting on keys	2	18/4/2023	1,2	
7	Files: Files	1	19/4/2023	2	
8	Queries and sequential organizations	2	25/4/2023	1,2	
9	Index Techniques	1	26/4/2023	2	
10	File organization	1	28/4/2023	6	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** 10/5/23 **PRINCIPAL**

M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

lty Name: SOMASUNDARA VITHYA A Subject: DATA STRUCTURES USING C
(Core: Practical II)

ject Code: 21UCSP02 Year / Semester: I / II

rse: B. Sc. (CS) 'A' Sec

No	Exercises	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
1.	Program to create two array lists of integers. Sort and store the elements of both of them in third list.	3	24/1/2023	1,2,3	
2.	Program to multiply two matrices A and B and store the resultant matrix in C using arrays.	3	24/1/2023 31/1/2023	4 1,2	
3.	Program to experiment the operation of STACK using array.	3	31/1/2023 7/2/2023	3,4 1	
4.	Program to create menu driven options to implement QUEUE to perform the following (i) Insertion (ii) Deletion (iii) Modification (iv) Listing of elements.	3	7/2/2023	2,3,4	
5.	Program to create Linked list representations of employee records and do the following operations using pointers. (i) To add a new record. (ii) To delete an existing record. (iii) To print the details about an employee. (iv) To find the number of employees in the structure.	3	28/2/2023	1,2,3	
6.	Program to count the total nodes of the linked list and to insert an element at the end of the linked list.	3	28/2/2023 21/3/2023	4 1,2	
7.	Program to insert an element at the beginning of a doubly linked list.	3	21/3/2023 28/3/2023	3,4 1	
8.	Program to display the hash table, using the mid square method.	3	28/3/2023	2,3,4	
9.	Program to traverse the given binary tree using all traversal methods.	2	11/4/2023	1,2	
10.	Program to insert an element in a binary tree.	2	11/4/2023	3,4	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

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FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan

ACADEMIC YEAR :2022-2023

Name: SOMASUNDARA VITHYA

Subject: PHP SCRIPTING LANGUAGE (SBEC VI)

Code: 19UCSS04

Year / Semester: III / VI

B. Sc. (CS) 'B' Sec

	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	PHP - Introduction	1	27/1/2023	3	Sri
2	Basic of Coding in PHP: Mixing PHP and HTML	2	28/1/2023 06/2/2023	4,2	Sri
3	Introducing Variables and Operators	2	09/2/2023 10/2/2023	1,3	Sri
4	PHP Variables	1	11/2/2023	4	Sri
	UNIT-II				
1	Displaying Dynamic Content	2	13/2/2023 16/2/2023	2,1	Sri
2	Sending E-Mail	2	17/2/2023 20/2/2023	3,2	Sri
3	Using File System	1	23/2/2023	1	Sri
4	Uploading Files to Website	1	24/2/2023	3	Sri
	UNIT-III				
1	Establishing a connection	1	27/2/2023	2	Sri
2	Creating a Database Table	2	02/3/2023 03/3/2023	1,3	Sri
3	Inserting Data into the Table	1	06/3/2023	2	Sri
4	Selecting and Displaying Data	1	09/3/2023	1	Sri
	UNIT-IV				
1	System Planning	2	13/3/2023 16/3/2023	2,1	Sri
2	Adding Contacts	1	17/3/2023	3	Sri
3	Modifying Contacts	1	20/3/2023	2	Sri
4	Deleting Contacts	1	23/3/2023	1	Sri
5	Working with Contacts	1	24/3/2023	3	Sri

UNIT-V					
1	Managing a Simple Mailing List	1	06/4/2023	1	
2	Mailing List Software	1	10/4/2023	2	
3	Developing Subscription Mechanism, Mailing Mechanism	2	13/4/2023 15/4/2023	1/4	
4	Creating Custom Logs and Reports	1	24/4/2023	2	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

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FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Name: SOMASUNDARA VITHYA A Subject: DATABASE MANAGEMENT SYSTEM (ALLIED II)

Code: 21UCSA03 Year / Semester: I / II

: B. Com. (CA) 'B' Sec

	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
	Introduction: Database System Application	1	23/1/2023	4	Dithy
	Purpose of Database System	1	24/1/2023	6	Dithy
	View of Data, Data Model	2	25/1/2023 27/1/2023	5,5	Dithy
	Database Language, Relational Database	2	28/1/2023 30/1/2023	1,4	Dithy
	Database Design, Data Storage and Query	2	02/2/2023 04/2/2023	3,1	Dithy
	Transaction Management, Database Architecture	2	06/2/2023 07/2/2023	4,6	Dithy
	Database User and Administrator	1	9/2/2023	3	Dithy
	History of Database System	1	10/2/2023	5	Dithy
	UNIT-II				
	Relational Database: Structure of Relational Databases	1	11/2/2023	1	Dithy
2	Database Schemas, Keys	2	13/2/2023 14/2/2023	4,6	Dithy
3	Schema Diagrams, Relational Query Language	1	15/2/2023	5	Dithy
4	SQL: Overview of the SQL Query Language	1	16/2/2023	3	Dithy
5	SQL Data Definition, Basic Structure of SQL Queries	2	17/2/2023 20/2/2023	5,4	Dithy
6	Set operations, Null Values	1	21/2/2023	6	Dithy
7	Aggregate Functions, Nested Sub queries	2	22/2/2023 23/2/2023	5,3	Dithy
8	Modification of the Database	2	27/2/2023 28/2/2023	4,6	Dithy
	UNIT-III				
1	Intermediate SQL: Join Expressions	1	01/3/2023	5	Dithy
2	View, Transactions, Authorization	2	03/3/2023 06/3/2023	5,4	Dithy

3	Advance SQL: Functions and Procedures	2	08/2/2023 09/3/2023	5,3	
4	Triggers	2	13/3/2023 14/3/2023	1,6	
5	Formal Relational Queries Languages: The Relational Algebra	1	15/3/2023	5	
6	The Tuple Relational Calculus	1	16/3/2023	3	
7	The Domain Relational Calculus	1	17/3/2023	5	
	UNIT-IV				
1	Database Design and the E-R Model: Overview of the Data Process	1	20/3/2023	4	
2	The Entity-Relationship Model, Constraints	1	21/3/2023	6	
3	Entity-Relationship Diagram, Entity-Relationship Design Issues	2	23/3/2023 24/3/2023	3,5	
4	Extended E-R Features, Relational Database Design: Atomic Domain	1	27/3/2023	4	
5	First Normal Form, Decomposition using Functional Dependency	2	28/3/2023 29/3/2023	6,5	
6	Functional Dependency Theory	1	30/3/2023	3	
7	Decomposition using Multivalued Dependencies , More Normal Form	2	03/4/2023 05/4/2023	4,5	
	UNIT-V				
1	Database System Architectures: Centralized and Client-System Architectures	1	06/4/2023	3	
2	Server System Architectures, Parallel Systems	2	10/4/2023 11/4/2023	4,6	
3	Distributed Systems, Network Types	2	12/4/2023 13/4/2023	5,3	
4	Distributed Databases: Homogeneous and Heterogeneous Databases	1	15/4/2023	1	
5	Distributed Data Storage	1	17/4/2023	4	
6	Distributed Transaction, Commit Protocols	1	20/4/2023	3	
7	Cloud Based Databases, Directory Systems	1	24/4/2023	4	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** 10/5/23 **PRINCIPAL**

M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Name: SOMASUNDARA VITHYA A Subject: COMPUTER PRACTICAL – I (MS-OFFICE) - CORE IV

Code: 21UCCP01 Year / Semester: I / I

: B. Com. (CA) 'B' Sec

	Exercises	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	MICROSOFT WORD				
1.	a) Starting MS-Word, Creating, Saving, Printing, Closing and Exiting. b) Study of Word – Menu / toolbars.	1	16/8/22	5	Rithya
2.	a) Create a document, save it and edit the document as follows: i) Find and Replace options ii) Cut, Copy, Paste options iii) Undo and Redo option	1	16/8/22	6	Rithya
	b) Format the document: i) Using Bold, Underline and Italic ii) Change Character size sing the font dialog box iii) Formatting paragraph: Center, Left aligns & Right align iv)Changing paragraph and line spacing, Using Bullets and Numbering in Paragraphs v) Creating Hanging Paragraphs	1	16/8/22	7	Rithya
3.	Using tap settings enhancing the documents (Header, Footer, Page Setup, Border, Opening & Closing Toolbars, Print Preview)	1	23/8/22	5	Rithya
4.	Creating Tables in a document, Selecting Rows & Column sort the record by using tables format painter and Auto Format	2	23/8/22	6,7	Rithya
5.	Creating main document, data source, inserting merge fields and viewing merge data, viewing and printing merged letter, using mail merge to print envelope creating mailing labels	2	30/8/22	5,6	Rithya
	MICROSOFT EXCEL				
1.	a) Create a worksheet, moving/ copying/ inserting/ deleting rows and columns (usage of cut, paste, commands, copying a single cell, copying a range of data, filling up a cell. Undo command, inserting and deleting rows and columns)	1	30/8/22	7	Rithya
	b) Formatting work sheets: i) Bold style. ii) Italic style. iii) Font size changing. iv) Formatting numbers (Auto fill, Selection Command, Currency format, Currency Syllabus). v) Specifying percentage (%)	1	06/9/22	5	Rithya

	Scientific notations. vi) Drawing border around cells. vii) Printing a work sheet (Print preview, Margin Setting, Header, Footer)				
2.	a) Database Concept: database, record field and filed name – creating and sorting a data base and maintaining a database (data form)	1			
	b) Using auto filter, advanced filter		06/9/22	6	
	c) Creating subtotals and grand totals - using database functions				
3.	Creating charts i) Using chart wizard (five steps) ii) Changing the chart type (Pie, Bar, Line) iii) Inserting titles for the axes X, Y iv). Changing colors. v) Printing charts.	1	06/9/22	7	
4.	a) Using date, time, math functions: i) entering current data. ii) Using date arithmetic (adding and subtracting dates) iii) Date functions (day, month, second)	1			
	b) Math Functions i) SUM, COUNT,AVERAGE ii) MAX, MIN iii) STDDEV, VAR iv) ABS, EXP, INT v) LOG 10 AND LOG vi) MOD, ROUND, SORT vi) Using auto sum		13/9/22	5	
	c) Logical and Financial Functions i) Logical (IP / AND / OR / NOT) ii) Financial (PMD, FV, NPER, RATE)				
5.	i)Creating and running a macro. ii) Assigning button to a defined macro. iii) Editing a macro	1	13/9/22	6	
	MICROSOFT POWER POINT				
1.	Creating a presentation using auto content wizard	1	13/9/22	7	
2.	Different views in power point presentation	1	20/9/22	5	
3.	Setting animation effects / grouping / ungrouping / cropping power / point objects	2	20/9/22	6,7	
4.	Printing a presentation / Importing – Exporting files	1	27/9/22	5	
5.	Creating an organisation chart in Power Point	2	27/9/22	6,7	
	MICROSOFT ACCESS				
1.	Prepare a payroll for employee database of an organization and Perform queries for different categories	2	11/10/22	5,6	
2.	Create mailing labels for student database	1	11/10/22	7	
3.	Create a forms for the Student database	3	18/10/22	5,6,7	
4.	Create a report for the employee database	3	01/11/22	5,6,7	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R.COLLEGE,HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

y Name: KALPANA V

Subject: Data Mining and Warehousing

:t Code: 19UCSE08

Year / Semester: III B.Sc [C.S] "A"

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
Introduction	1	24/1/23	3rd hr	V.dly
Data Mining Application	1	25/1/23	4th hr	V.dly
Data mining Techniques	2	26/1/23	1st hr 5th hr	V.dly
Data Mining case studies	1	27/1/23	1st hr	V.dly
The Future of data mining	1	7/2/23	3rd hr	V.dly
Data mining software	1	8/2/23	4th hr	V.dly
Association rules mining	1	9/2/23	1st hr	V.dly
Task and a native algorithm	1	10/2/23	1st hr	V.dly
Apriori algorithm	1	10/2/23	6th hr	V.dly
Improve the efficient of the Apriori algorithm	2	14/2/23 15/2/23	3rd hr 4th hr	V.dly
Performance Evaluation of Algorithm and FP – Growth	2	16/2/23 17/2/23	1st hr 1st hr	V.dly
UNIT-II				
Classification	1	21/2/23	6th hr	V.dly
Decision Tree	1	22/2/23	3rd hr	V.dly
DT rules	1	23/2/23	4th hr	V.dly
Naïve byes method	1	24/2/23	1st hr	V.dly
Other evaluation criteria for classification method	1	24/2/23	1st hr	V.dly
Classification software	1	24/2/2	6th hr	V.dly

UNIT-III				
Cluster Analysis	1	1/3/23	4th hr	V.
Types of data	1	2/3/23	1st hr	V.
Computing distance	1	3/3/23	1st hr	V.
Partitioned method	1	3/3/23	6th hr	V.
Hierarchical Methods	1	8/3/23	4th hr	V.
Density based Methods	1	9/3/23	1st hr	V.
Dealing with large databases	1	10/3/23	1st hr	V.
Cluster analysis software	1	10/3/23	6th hr	V.
UNIT-IV				
Web data Mining- Introduction	1	14/3/23	3rd hr	V.
Web Terminology and Characteristics	1	15/3/23	4th hr	V.
Web content Mining	2	16/3/23	1st hr	V.
Web usage Mining	1	17/3/23	1st hr	V.
Web structure Mining	1	21/3/23	3rd hr	V.
Web Mining Software	1	22/3/23	1st hr	V.
Search Engines Functionality	1	24/3/23	1st hr	V.
Ranking of Web Pages	1	24/3/23	6th hr	V.
UNIT-V				
Data Warehousing Introduction	1	28/3/23	3rd hr	V.
Operational Data sources	1	29/3/23	4th hr	V.
Data Warehousing Design	1	31/3/23	1st hr	V.
Guidelines for data warehousing implementation	2	6/3/23 11/3/23	1st hr 3 hr	V.
OLAP Characteristics of OLAP System	1	12/3/23	4th hr	V.
Data Cube Implementation	1	25/3/23	3rd hr	V.
OLAP Implementation Guidelines	2	26/3/23	4th hr 1st hr	V.

Teaching Methods: Lecture using Board, LCD, Discussion& Field Visit

V.

FACULTY

16/5/23

HEAD OF THE DEPARTMENT

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M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Faculty Name: KALPANA V

Subject Code: 21UCSA03

Class: B. Com. (CA) 'C' Sec

Subject: DATABASE MANAGEMENT SYSTEM (ALLIED II)

Year / Semester: I / II

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction: Database System Application	1	23/1/23	2nd hr	V.Kalpana
2	Purpose of Database System	1	24/1/23	7th hr	V.Kalpana
3	View of Data, Data Model	2	24/1/23	5th hr 7th hr	V.Kalpana
4	Database Language, Relational Database	2	27/1/23	3rd hr 4th hr	V.Kalpana
5	Database Design, Data Storage and Query	2	30/1/23 31/1/23	2nd hr 7th hr	V.Kalpana
6	Transaction Management, Database Architecture	2	1/2/23	5th hr 7th hr	V.Kalpana
7	Database User and Administrator	1	3/2/23	3rd hr	V.Kalpana
8	History of Database System	1	6/2/23	2nd hr	V.Kalpana
	UNIT-II				
1	Relational Database: Structure of Relational Databases	1	7/2/23	7th hr	V.Kalpana
2	Database Schemas, Keys	2	8/2/23	5th hr 6th hr	V.Kalpana
3	Schema Diagrams, Relational Query Language	1	10/2/23	3rd hr	V.Kalpana
4	SQL: Overview of the SQL Query Language	1	13/2/23	2nd hr	V.Kalpana
5	SQL Data Definition, Basic Structure of SQL Queries	2	15/2/23	5th hr 6th hr	V.Kalpana
6	Set operations, Null Values	1	17/2/23	3rd hr	V.Kalpana
7	Aggregate Functions, Nested Sub queries	2	20/2/22 21/2/23	2nd hr 6th hr	V.Kalpana
8	Modification of the Database	2	22/2/23 24/2/23	1st hr 3rd hr	V.Kalpana
	UNIT-III				
1	Intermediate SQL: Join Expressions	1	24/2/23	5th hr	V.Kalpana
2	View, Transactions, Authorization	2	27/2/23	3rd hr 5th hr	V.Kalpana

3	Advance SQL: Functions and Procedures	2	28/2/23 1/3/23	7th hr 1st hr	V.dd
4	Triggers	2	3/3/23	3rd hr 5th hr	V.dd
5	Formal Relational Queries Languages: The Relational Algebra	1	6/3/23	2nd hr	V.dd
6	The Tuple Relational Calculus	1	8/3/23	1st hr	V.dd
7	The Domain Relational Calculus	1	10/3/23	3rd hr	V.dd
	UNIT-IV				
1	Database Design and the E-R Model: Overview of the Data Process	1	10/3/23	5th hr	V.dd
2	The Entity-Relationship Model, Constraints	1	13/3/23	2nd hr	V.dd
3	Entity-Relationship Diagram, Entity-Relationship Design Issues	2	14/3/23 15/3/23	7th hr 1st hr	V.dd
4	Extended E-R Features, Relational Database Design: Atomic Domain	1	17/3/23	3rd hr	V.dd
5	First Normal Form, Decomposition using Functional Dependency	2	17/3/23 20/3/23	6th hr 2nd hr	V.dd
6	Functional Dependency Theory	1	21/3/23	7th hr	V.dd
7	Decomposition using Multivalued Dependencies , More Normal Form	2	24/3/23	3rd hr	V.dd
	UNIT-V				
1	Database System Architectures: Centralized and Client-System Architectures	1	27/3/23	2nd hr	V.dd
2	Server System Architectures, Parallel Systems	2	28/3/23 29/3/23	7th hr 1st hr	V.dd
3	Distributed Systems, Network Types	2	31/3/23	1st hr 5th hr	V.dd
4	Distributed Databases: Homogeneous and Heterogeneous Databases	1	5/4/23	1st hr	V.dd
5	Distributed Data Storage	1	10/4/23	2nd hr	V.dd
6	Distributed Transaction, Commit Protocols	1	12/4/23	1st hr	V.dd
7	Cloud Based Databases, Directory Systems	1	17/4/23	3rd hr	V.dd

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

V.dd

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16/5/23

HEAD OF THE DEPARTMENT

PRINCIPAL

M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2023-24

Faculty Name : KALPANA V
Subject Code : 21UCSA02
Course : B.Sc(Biochemistry)

Subject: COMPUTER APPLICATIONS IN OFFICE
Year / Semester : II-Biochemistry / IV

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	MS Word Exploring Word 2007: Working in the Word Environment	1	23/1/23	5th hr	V.K
2	Opening, Moving Around in, and closing Document	2	31/1/23	1st hr 5th hr	V.K
3	Creating and Saving A Document	1	7/2/23	1st hr	V.K
4	Previewing and Printing Document	1	7/2/23	5th hr	V.K
5	Editing and Proofreading Documents	1	8/2/23	2nd hr	V.K
6	Making Changes to document	1	9/2/23	4th hr	V.K
7	Inserting Saved Text	1	9/2/23	7th hr	V.K
8	Finding the Most Appropriate Word	1	14/2/23	1st hr	V.K
9	Reorganizing a Document Outline	1	14/2/23	5th hr	V.K
10	Finding and Replacing Text	1	15/2/23	2nd hr	V.K
11	Correcting spelling and Grammatical errors	1	16/2/23	4th hr	V.K
12	Finalizing Document	1	16/2/23	7th hr	V.K
	UNIT-II				
1	MS Word Changing the Look of Text	1	21/2/23	1st hr	V.K
2	Quickly Formatting Text and Paragraphs	1	21/2/23	5th hr	V.K
3	Manually changing the look of characters	1	22/2/23	2nd hr	V.K
4	Manually changing the look of paragraphs	1	23/2/23	4th hr	V.K
5	Creating and modifying Lists-Presenting Information in Columns and Tables	2	23/2/23 27/2/23	7th hr 5th hr	V.K

	Presenting Information in Columns	1	28/2/23	1st hr	V.
	Creating Tabular List	1	28/2/23	5th hr	V.
	Presenting Information in a Table	1	1/3/23	6th hr	V.
	Formatting Table Information	1	2/3/23	4th hr	V.
	Performing Calculations in a Table	1	2/3/23	7th hr	V.
	Using a Table to control Page Layout	2	8/9/23 6th hr 9/3/23 4th hr		V.
	UNIT-III				
1	MS Excel Setting Up a Workbook	1	14/3/23	1st hr	V.
2	Creating Workbooks	1	14/3/23	5th hr	V.
3	Modifying Workbooks	1	15/3/23	6th hr	V.
4	Modifying Worksheets	1	16/3/23	4th hr	V.
5	Working with Data and Data Tables	2	16/3/23	7th hr	V.
6	Entering and Revising Data	1	20/3/23	5th hr	V.
7	Moving Data within a Workbook	1	20/3/23	6th hr	V.
8	Finding and Replacing Data	1	20/3/23	7th hr	V.
9	Correcting and Expanding Upon Worksheet Data	1	21/3/23	1st hr	V.
10	Defining a Table	1	21/3/23	5th hr	V.
11	Performing Calculations on Data	2	23/3/23	6th hr 7th hr	V.
12	Naming Groups of Data	1	28/3/23	1st hr	V.
13	Creating Formulas to Calculate Values	1	28/3/23	5th hr	V.
14	Summarizing Data that meets Specific Conditions	1	29/3/23	6th hr	V.
15	Finding and Correcting Errors in Calculations	1	30/3/23	4th hr	V.
16	Changing Document Appearance	1	30/3/23	7th hr	V.
	UNIT-IV				
1	MS-Access: Introduction	1	5/4/23	6th hr	V.
2	Parts of an Window	1	6/4/23	6th hr	V.
3	Creating a New Data Base	2	6/4/23 10/4/23	7th hr 5th hr	V.
4	Table Wizard	1	11/4/23	1st hr	V.
5	Renaming	1	11/4/23	5th hr	V.

	Saving the Database	1	12/4/23	6th hr	V.d
	Relationships	2	13/4/23	4th hr 7th hr	V.d
	Query	1	15/4/23	1st hr	V.d
	Form	1	15/4/23	2nd hr	V.d
	Reports	1	15/4/23	3rd hr	V.d
	Exiting MS-Access	1	17/4/23	5th hr	V.d
	UNIT-V				
	MS PowerPoint Starting a New Presentation	1	18/4/23	1st hr	V.d
	Working with Slide	1	18/4/23	5th hr	V.d
	Text Entering Text	1	19/4/23	6th hr	V.d
	Editing Text	1	19/4/23	6th hr	V.d
	Adding and Manipulating Text Boxes	2	20/4/23	4th hr 7th hr	V.d
	Correcting and Sizing text	1	21/4/23	2nd hr	V.d
	Checking Spelling	1	24/4/23	5th hr	V.d
8	Finding and replacing text and fonts	1	24/4/23	6th hr	V.d
9	Changing the size, Alignment, Spacing	1	24/4/23	7th hr	V.d
10	Adjusting the Slide Layout, Order and Look	1	25/4/23	1st hr	V.d
11	Changing the Layout of a slide	1	25/4/23	5th hr	V.d
12	Rearranging Slides in a Presentation	2	26/4/23	6th hr	V.d
13	Applying a theme	1	27/4/23	4th hr	V.d
14	Switching to a Different Color Scheme	1	27/4/23	7th hr	V.d
15	Adding Shading and texture to the background of a slide	1	28/4/23	4th hr	V.d
16	Delivering a Presentation Electronically	1	28/4/23	6th hr	

Teaching Methods: Lecture using Board, LCD , Discussion & Field Visit

FACULTY

16/5/23

HEAD OF THE DEPARTMENT

PRINCIPAL

M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

LESSON PLAN

ACADEMIC YEAR : 2022-2023

Faculty Name: KALPANA V

Course Code: 21UCSAP01

Subject: Office Automation LAB

Year / Semester: II B. Sc(BIOCHEM)/ IV

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Text Manipulation- Font, Spell check, Aligning and justification of Text.	3	23/1/23	5,6,7th hr	V.K
2	Bio data -Prepare a Bio-data.	3	30/1/23	5,6,7th hr	V.K
3	Find and Replace Numbering Bullets, Footer and Headers.	2	6/2/23	5,6th hr	V.K
4	Tables and manipulation: Creation, Insertion, Deletion (Columns and Rows). Creating a mark sheet.	2	6/2/23	7th hr	V.K
5	Mail Merge: Prepare an invitation to birthday party	3	13/2/23	5,6,7th hr	V.K
6	Data sorting-Ascending and Descending (both numbers and alphabets)	1	20/2/23	5th hr	V.K
7	Mark list preparation for a student.	2	20/2/23	6,7th hr	V.K
8	Individual Pay Bill preparation	3	27/2/23	5,6,7th hr	V.K
9	Invoice Report preparation	3	6/3/23	5,6,7th hr	V.K
10	Drawing Graphs for table data	3	13/3/23	5,6,7th hr	V.K
11	slide show presentation for a seminar	3	20/3/23	5,6,7th hr	V.K
12	Preparation of Organization Charts	2	27/3/23	5,6th hr	V.K
13	slide show presentation to display percentage of marks in each semester for all students	2	31/3/23	5,6th hr	V.K
14	Use bar chart (X-axis: Semester, Y-axis: % marks).	1	3/4/23	7th hr	V.K
15	Different presentation template & different transition effects for each slide	3	10/4/23	5,6,7th hr	V.K

Teaching Methods: Lecture using Board, Computers & LCD

FACULTY

18/5/23

HEAD OF THE DEPARTMENT

PRINCIPAL

M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Subject: COMPUTER PRACTICAL – I
(MS-OFFICE) - CORE IV

Year / Semester: I / I

ame: KALPANA V
ode: 21UCCP01
Com. (CA) 'C' Sec

Exercises	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
MICROSOFT WORD				
a) Starting MS-Word, Creating, Saving, Printing, Closing and Exiting. b) Study of Word – Menu / toolbars.	1	10/8/22	1st hr	V.
a) Create a document, save it and edit the document as follows: i) Find and Replace options ii) Cut, Copy, Paste options iii) Undo and Redo option	1	10/8/22	2nd hr	V.
b) Format the document: i) Using Bold, Underline and Italic ii) Change Character size sing the font dialog box iii) Formatting paragraph: Center, Left aligns & Right align iv)Changing paragraph and line spacing, Using Bullets and Numbering in Paragraphs v) Creating Hanging Paragraphs	1	10/8/22	3rd hr	V.
Using tap settings enhancing the documents (Header, Footer, Page Setup, Border, Opening & Closing Toolbars, Print Preview)	1	17/8/22	1st hr	V.
Creating Tables in a document, Selecting Rows & Column sort the record by using tables format painter and Auto Format	2	17/8/22	2nd 3rd hr	V.
Creating main document, data source, inserting merge fields and viewing merge data, viewing and printing merged letter, using mail merge to print envelope creating mailing labels	2	24/8/22	1 & 2 hr	V.
MICROSOFT EXCEL				
a) Create a worksheet, moving/ copying/ inserting/ deleting rows and columns (usage of cut, paste, commands, copying a single cell, copying a range of data, filling up a cell. Undo command, inserting and deleting rows and columns)	1	7/9/22	1st hr	V.
b) Formatting work sheets: i) Bold style. ii) Italic style. iii) Font size changing. iv) Formatting numbers (Auto fill, Selection Command, Currency format, Currency Syllabus). v) Specifying percentage (%)	1	7/9/22	2nd hr	V.

	Scientific notations. vi) Drawing border around cells. vii) Printing a work sheet (Print preview, Margin Setting, Header, Footer)	1	7/9/22	3rd hr	
2.	a) Database Concept: database, record field and filed name – creating and sorting a data base and maintaining a database (data form)	1	14/9/22	3rd hr	
	b) Using auto filter, advanced filter				
	c) Creating subtotals and grand totals - using database functions				
3.	Creating charts i) Using chart wizard (five steps) ii) Changing the chart type (Pie, Bar, Line) iii) Inserting titles for the axes X, Y iv). Changing colors. v) Printing charts.	1	19/9/22	2nd hr	
4.	a) Using date, time, math functions: i) entering current data. ii) Using date arithmetic (adding and subtracting dates) iii) Date functions (day, month, second)	1	24/9/22	1st hr	
	b) Math Functions i) SUM, COUNT,AVERAGE ii) MAX, MIN iii) STDDEV, VAR iv) ABS, EXP, INT v) LOG 10 AND LOG vi) MOD, ROUND, SORT vi) Using auto sum	1	24/9/22	2nd hr	
	c) Logical and Financial Functions i) Logical (IP / AND / OR / NOT) ii) Financial (PMD, FV, NPER, RATE)				
5.	i)Creating and running a macro. ii) Assigning button to a defined macro. iii) Editing a macro	1	24/9/22	3rd hr	
	MICROSOFT POWER POINT				
1.	Creating a presentation using auto content wizard	1	12/10/22	1st hr	
2.	Different views in power point presentation	1	12/10/22	3rd hr	
3.	Setting animation effects / grouping / ungrouping / cropping power / point objects	2	19/10/22	1&2 hr	
4.	Printing a presentation / Importing – Exporting files	1	19/10/22	3rd hr	
5.	Creating an organisation chart in Power Point	2	26/10/22	1&2nd hr	
	MICROSOFT ACCESS				
1.	Prepare a payroll for employee database of an organization and Perform queries for different categories	2	2/11/22	1&2 hr	
2.	Create mailing labels for student database	1	2/11/22	3rd hr	
3.	Create a forms for the Student database	3	9/11/22	1-3 hr	
4.	Create a report for the employee database	3	16/11/22	1-3 hr	

Teaching Methods: Lecture using Board, LCD, Discussion & Field Visit

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R.COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Name: S.JAYANTHI
Code: 21UCSAP01

Subject: OFFICE AUTOMATION LAB
Year Semester: II BIO TECH IV SEM

	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	MS WORD				
	Text manipulation: write a paragraph about your institution and change the font size, and type spell check	3	24/01/2023	5th, 6th, 7th	J. Thy
	Bio data: prepare a Bio data	3	24/01/2023	5th, 6th, 7th	J. Thy
	Find and replace: write a paragraph about yourself and do the following.	3	31/01/2023	5th, 6th, 7th	J. Thy
4	Find and replace-use numbering bullets, footer and Header.	3	31/01/2023	5th, 6th, 7th	J. Thy
5	Table and manipulation: creation, insertion, deletion (columns and rows) create a mark sheet.	3	7/02/2023	5th, 6th, 7th	J. Thy
6	Mail merge: prepare an invitation to invite your friends to your birthday party. prepare at least five letters	3	7/02/2023	5th, 6th, 7th	J. Thy
	MS EXCEL				
1	Data sorting-ascending and descending(both numbers &alphabets)	3	14/02/2023	5th, 6th, 7th	J. Thy
2	Mark list preparation for a student	3	14/02/2023	5th, 6th, 7th	J. Thy
3	Individual pay bill preparation	3	21/02/2023	5th, 6th, 7th	J. Thy
4	Invoice report preparation	3	21/02/2023	5th, 6th, 7th	J. Thy
5	Drawing graphs take your own table	3	14/03/2023	5th, 6th, 7th	J. Thy
	MS POWER POINT				
1	Create a slide show presentation for a seminar	3	14/3/2023	5th, 6th, 7th	J. Thy
2	Prepare of organization charts	3	21/03/2023	5th, 6th, 7th	J. Thy
3	Create a slide show presentation to display percentage students	3	21/03/2023	5th, 6th, 7th	J. Thy
4	Use bar chart (X-axis: semester ,Y- axis %mark)	3	28/03/2023	5th, 6th, 7th	J. Thy
5	Use different presentation template	3	11/4/2023	5th, 6th, 7th	J. Thy

FACULTY

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PRINCIPAL

M.G.R.COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Name: S. JAYANTHI

Subject: Computer Applications in Office

Code:21UCSA02

Year / Semester: II B. Sc Bio Tec sec(A) / IV

	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
	MS Word Exploring Word 2007: Working in the Word Environment	1	5/2/2023	1st	
	Opening , Moving Around in, and closing Document	1	2/2/2023	3rd	
	Creating and Saving A Document	1	2/2/2023	3rd	
	Previewing and Printing Document	1	10/2/2023	4th	
	Editing and Proofreading Documents: Making Changes to document	1	10/2/2023	5th	
	Inserting Saved Text	1	10/2/2023	4th	
	Finding the Most Appropriate Word	1	10/2/2023	5th	
	Reorganizing a Document Outline	1	11/2/2023	4th	
	Finding and Replacing Text	1	11/2/2023	4th	
0	Correcting spelling and Grammatical errors	1	11/2/2023	4th	
1	Finalizing Document	1	13/2/2023	1st	
	UNIT-II				
1	MS Word Changing the Look of Text: Quickly Formatting Text and Paragraphs	2	13/2/2023	1st	
2	Manually changing the look of characters	1	13/2/2023	1st	
3	Manually changing the look of paragraphs	1	24/2/2023	3rd	
4	Creating and modifying Lists Presenting Information in Columns and Tables	2	6/3/2023	4th 5th	
5	Presenting Information in Columns	1	7/3/2023	3rd	
6	Creating Tabular List , Presenting Information in a Table	1	13/3/2023	1st	
7	Formatting Table Information	1	13/3/2023	1st	
8	Performing Calculations in a Table	1	14/3/2023	3rd	
9	Using a Table to control Page Layout	1	14/3/2023	3rd	
	UNIT-III				
1	Activity Planning: Introduction, Objectives MS Excel Setting Up a Workbook	1	15/3/2023	4th	
2	Creating Workbooks, Modifying Workbooks	1	15/3/2023	4th	

difying Worksheets	1	17/3/2023	4th	A Tuyu
orking with Data and Data Tables, Entering d Revising Data	1	17/3/2023	5th	A Tuyu
oving Data within a Workbook	1	20/3/2023	1st	A Tuyu
nding and Replacing Data	2	21/3/2023	4th 5th	A Tuyu
orrecting and Expanding Upon Worksheet Data	1	23/3/2023	4th	A Tuyu
efining a Table, Performing Calculations on ata : Naming Groups of Data	1	28/3/2023	4th	A Tuyu
reating Formulas to Calculate Values	1	27/3/2023	1st	A Tuyu
Summarizing Data that meets Specific Conditions	1	28/3/2023	3rd	A Tuyu
Finding and Correcting Errors in Calculations	1	29/3/2023	4th	A Tuyu
Changing Document Appearance of Activity Planning	1	3/4/2023	1st	A Tuyu

UNIT-IV

MS-Access: Introduction , Parts of an Window	1	5/4/2023	4th	A Tuyu
Creating a New Data Base	1	6/4/2023	5th	A Tuyu
Table Wizard, Renaming	1	8/4/2023	5th	A Tuyu
Saving the Database	1	8/4/2023	6th	A Tuyu
Relationships ,Query , Form , Reports	1	10/4/2023	1st	A Tuyu
Exiting MS-Access	2	11/4/2023	4th 5th	A Tuyu

UNIT-V

	MS PowerPoint Starting a New Presentation Working with Slide Text, Working with Slide Text	1	17/4/2023	1st	A Tuyu
2	Entering Text ,Editing Text	1	18/4/2023	3rd	A Tuyu
3	Adding and Manipulating Text Boxes	1	19/4/2023	4th	A Tuyu
4	Correcting and Sizing text, Checking Spelling, Finding and replacing text and fonts	1	21/4/2023	4th	A Tuyu
5	Changing the size, Alignment, Spacing	1	24/4/2023	1st	A Tuyu
6	Adjusting the Slide Layout, Order and Look changing the Layout of a slide	2	25/4/2023	3rd	A Tuyu
7	Rearranging Slides in a Presentation	1	25/4/2023	3rd	A Tuyu
8	Applying a theme -Switching to a Different Color Scheme	1	26/4/2023	4th 5th	A Tuyu
9	Adding Shading and texture to the background of a slide	1	27/4/2023	3rd	A Tuyu
10	Delivering a Presentation Electronically	1	27/4/2023	5th	A Tuyu

A. Tuyu
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HEAD OF THE DEPARTMENT

PRINCIPAL

M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Name: S.JAYANTHI

Subject: Environment studies

Code: 21UES01

Year / Semester: BSC(CS) I(A&C) / II

	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
	Introduction to environmental studies	1	5/2/2023	5th	d. Thy2
	Multidisciplinary nature of environmental studies;	1	6/2/2023	4th	d. Thy
	components of environment	1	6/2/2023	4th	d. Thy1
	Ability Enhancement Compulsory Courses (AECC – Environmental Studies)	1	8/2/2023	5th	d. Thy1
	Components of environment atmosphere, hydrosphere, lithosphere and biosphere	1	9/2/2023	4th	d. Thy3
	Scope and importance	1	10/2/2023	1st	d. Thy1
	Concept of sustainability and sustainable development	1	10/2/2023	1st	d. Thy1
	UNIT-II				
	Ecosystem	1	11/2/2023	4th	d Thy2
	a) Forest ecosystem	1	11/2/2023	4th	d. Thy
	b) Grassland ecosystem	1	13/2/2023	5th	d. Thy1
	c) Desert ecosystem	1	13/2/2023	5th	d. Thy1
	d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries	2	15/2/2023	1st	d. Thy2
	UNIT-III				
1	Natural Resources: Renewable and Non-renewable Resource	1	16/2/2023	4th	d. Thy2
2	Land Resources and land use change; Land degradation, soil erosion and desertification	1	20/2/2023	5th	d. Thy1
3	Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations.	1	22/2/2023	1st	d. Thy2
4	Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state)	1	23/2/2023	1st	d. Thy1
5	Heating of earth and circulation of air; air mass formation and precipitation.	1	24/2/2023	4th	d. Thy1
6	Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case	1	24/2/2023	4th	d. Thy1

UNIT-IV					
Biodiversity and Conservation		2	27/3/2023	1st	d.Tuy1
Levels of biological diversity :genetic, species and ecosystem diversity		1	29/3/2023	4th	d.Tuy1
Biogeography zones of India; Biodiversity patterns and global biodiversity hotspots		1	1/4/2023	5th	d.Tuy1
India as a mega-biodiversity nation; Endangered and endemic species of India		1	5/4/2023	1st	d.Tuy2
Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions		1	5/4/2023	1st	d.Tuy1
Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity		1	6/4/2023	5th	d.Tuy2
Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value		1	6/4/2023	5th	d.Tuy1
UNIT-V					
	Environmental Pollution	1	8/4/2023	4th	d.Tuy2
	Environmental pollution : types, causes, effects and controls; Air, water, soil, chemical and noise pollution	1	8/4/2023	4th	d.Tuy2
3	Communication Genres, Communication Plans, Leadership	1	10/4/2023	1st	d.Tuy
4	Software Quality - The Place of Software Quality in Project Planning, Importance of Software Quality	1	10/4/2023	1st	d.Tuy
5	Quality Management Systems	1	10/4/2023	1st	d.Tuy
6	Techniques to Help Enhance Software Quality	1	11/4/2023	5th	d.Tuy
7	Project Closeout - , Reasons for Project Closure, Project Closure Process	1	11/4/2023	5th	d.Tuy
8	Performing a Financial Closure, Project Closeout Report	1	11/4/2023	5th	d.Tuy
UNIT-VI					
1	Environmental Policies & Practices	1	13/4/2023	4th	d.Tuy
2	Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture	1	13/4/2023	4th	d.Tuy
3	Environment Laws : Environment Protection Act;	1	14/4/2023	1st	d.Tuy
4	Air (Prevention & Control of Pollution) Act	1	17/4/2023	5th	d.Tuy
5	Water (Prevention and control of Pollution) Act	1	18/4/2023	4th	d.Tuy
6	Wildlife Protection Act; Forest Conservation Act;	1	18/4/2023	4th	d.Tuy
7	Act; International agreements; Montreal and Kyoto protocols and conservation on Biological Diversity (CBD). The Chemical Weapons Convention (CWC)	1	19/4/2023	1st	d.Tuy

8	Nature reserves, tribal population and rights and human wildlife conflicts in India	1	20/4/2023	1st	J. Tyagi
	UNIT-VII				
1	Human Communities and the Environment	2	20/4/2023	1st	J. Tyagi
2	Human population and growth: Impacts on environment, human health and welfares.	1	21/4/2023	2nd	J. Tyagi
3	Carbon foot-print		21/4/2023	5th	J. Tyagi
4	Resettlement and rehabilitation of project affected persons; case studies.	1	24/4/2023	1st	J. Tyagi
5	Disaster management: floods, earthquakes, cyclones and landslides	1	24/4/2023	1st	J. Tyagi
6	Environmental movements: chipko Silent valley Bishnios of Rajasthan	1	25/4/2023	4th	J. Tyagi
7	Environmental ethics: Role of Indian and other religions and cultures in environmental conservation	1	25/4/2023	4th	J. Tyagi
8	Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi).	1	26/4/2023	5th	J. Tyagi
	UNIT-VIII				
1	Field work	1	26/4/2023	5th	J. Tyagi
2	Visit to an area to document environmental assets; river/forest/flora/fauna extra	1	26/4/2023	5th	J. Tyagi
3	Visit to a local polluted site – Urban/Rural/Industrial/Agricultural.	1	27/4/2023	1st	J. Tyagi
4	Study of common plants, insects, birds and basic principles of identification	1	27/4/2023	4th	J. Tyagi
5	Study of simple ecosystems-pond, river, Delhi Ridge, etc.	1	28/4/2023	5th	J. Tyagi

Teaching Methods: Lecture using Board, LCD,Discussion& Field Visit

J. Tyagi
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M.G.R. COLLEGE, HOSUR – 635 130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Name: S.JAYANTHI

Subject: Environment studies

Code: 21UES01

Year / Semester: BSC(CS) I(A&C) / II

	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
	Introduction to environmental studies	1	5/2/2023	5th	J Thy
	Multidisciplinary nature of environmental studies;	1	6/2/2023	4th	J. Thy
	components of environment	1	6/2/2023	4th	J. Thy
	Ability Enhancement Compulsory Courses (AECC – Environmental Studies)	1	8/2/2023	5th	J. Thy
	Components of environment atmosphere, hydrosphere, lithosphere and biosphere	1	9/2/2023	4th	J. Thy
	Scope and importance	1	10/2/2023	1st	J. Thy
	Concept of sustainability and sustainable development	1	10/2/2023	1st	J. Thy
	UNIT-II				
	Ecosystem	1	11/2/2023	4th	J Thy
	a) Forest ecosystem	1	11/2/2023	4th	J Thy
	b) Grassland ecosystem	1	13/2/2023	5th	J Thy
4	c) Desert ecosystem	1	15/2/2023	5th	J Thy
5	d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries	2	15/2/2023	1st	J Thy
	UNIT-III				
1	Natural Resources: Renewable and Non-renewable Resource	1	16/2/2023	4th	J Thy
2	Land Resources and land use change; Land degradation, soil erosion and desertification	1	20/2/2023	5th	J Thy
3	Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations.	1	22/2/2023	1st	J Thy
4	Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state)	1	24/2/2023	1st	J Thy
5	Heating of earth and circulation of air; air mass formation and precipitation.	1	24/2/2023	4th	J Thy
6	Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case	1	27/2/2023	4th	J Thy

	UNIT-IV				
	Biodiversity and Conservation	2	29/3/2023	1st	
	Levels of biological diversity :genetic, species and ecosystem diversity	1	30/3/2023	4th	
	Biogeography zones of India: Biodiversity patterns and global biodiversity hotspots	1	1/4/2023	5th	
	India as a mega-biodiversity nation; Endangered and endemic species of India	1	5/4/2023	1st	
	Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions	1	5/4/2023	1st	
	Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity	1	6/4/2023	5th	
	Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value	1	6/4/2023	5th	
	UNIT-V				
1	Environmental Pollution	1	7/4/2023	4th	
2	Environmental pollution : types, causes, effects and controls: Air, water, soil, chemical and noise pollution	1	8/4/2023	4th	
3	Communication Genres, Communication Plans, Leadership	1	10/4/2023	1st	
4	Software Quality - The Place of Software Quality in Project Planning, Importance of Software Quality	1	10/4/2023	1st	
5	Quality Management Systems	1	10/4/2023	1st	
6	Techniques to Help Enhance Software Quality	1	11/4/2023	5th	
7	Project Closeout - , Reasons for Project Closure, Project Closure Process	1	11/4/2023	5th	
8	Performing a Financial Closure, Project Closeout Report	1	11/4/2023	5th	
	UNIT-VI				
1	Environmental Policies & Practices	1	12/4/2023	4th	
2	Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture	1	13/4/2023	4th	
3	Environment Laws : Environment Protection Act:	1	14/4/2023	1st	
4	Air (Prevention & Control of Pollution) Act	1	17/4/2023	5th	
5	Water (Prevention and control of Pollution) Act	1	13/4/2023	4th	
6	Wildlife Protection Act: Forest Conservation Act:	1	18/4/2023	4th	
7	Act, International agreements: Montreal and Kyoto protocols and conservation on Biological Diversity (CBD). The Chemical Weapons Convention (CWC)	1	19/4/2023	1st	

	Nature reserves, tribal population and rights and human wildlife conflicts in India	1	20/4/2023	1st	
	UNIT-VII				
	Human Communities and the Environment	2	22/4/2023	1st	
	Human population and growth: Impacts on environment, human health and welfares.	1	21/4/2023	4th	
	Carbon foot-print		21/4/2023	5th	
	Resettlement and rehabilitation of project affected persons; case studies.	1	24/4/2023	1st	
	Disaster management: floods, earthquakes, cyclones and landslides	1	24/4/2023	1st	
	Environmental movements: chipko Silent valley Bishnios of Rajasthan	1	25/4/2023	4th	
	Environmental ethics: Role of Indian and other religions and cultures in environmental conservation	1	25/4/2023	4th	
	Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi).	1	26/4/2023	5th	
	UNIT-VIII				
1	Field work	1	26/4/2023	5th	
2	Visit to an area to document environmental assets; river forest flora fauna extra	1	27/4/2023	5th	
3	Visit to a local polluted site – Urban Rural Industrial Agricultural.	1	27/4/2023	1st	
4	Study of common plants, insects, birds and basic principles of identification	1	24/4/2023	4th	
5	Study of simple ecosystems-pond, river, Delhi Ridge, etc.	1	28/4/2023	5th	

Teaching Methods: Lecture using Board, LCD,Discussion& Field Visit

FACULTY

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HEAD OF THE DEPARTMENT

PRINCIPAL

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: SHALINI.P

Subject: Computer Organization and Architecture

Subject Code: 21UCS03

Year / Semester: I B.Sc CS 'B' / II

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction of Digital Principles	1	23/1/23 25/1/23	5, 5th hr	
2	Definition for digital Signals	1	27/1/23 28/1/23	1st hr, 3rd hr	
3	Digital Waveforms	2	01/2/23 02/2/23	5, 3rd hr	
4	Digital Logic	2	03/2/23 04/2/23	1, 3rd hr	
5	Moving and storing Digital Information	2	06/2/23 07/2/23	5, 5th hr	
6	Digital Operations, Digital Computers	2	09/2/23, 10/2/23	2, 1st hr	
7	Digital Integrated Circuits	1	11/2/23	3rd hr	
8	Digital Logic Gates and Universal Logic Gates	2	13/2/23 15/2/23	5, 5th hr	
9	Invert Gates, Positive and Negative Logic	2	17/2/23 18/2/23	1st hr, 5th hr	
	UNIT-II				
1	Combinational Logic Circuits	2	22/2/23, 25/2/23	5th hr 1st hr	
2	Boolean Laws and Theorems	1	27/2/23	5th hr	
3	Sum of Products Method	1	01/3/23 03/3/23	5th hr, 1st hr	
4	Truth Table to Karnaugh Map	2	06/3/23, 09/3/23	5th hr, 3rd hr	
5	Pairs, Quads and Octets	2	09/3/23 10/3/23	3rd hr 1st hr	
6	Karnaugh Simplification, Product-of-sums Simplification	2	13/3/23 14/3/23	5, 7th hr	
7	Multiplexer 1 to16,De- Multiplexer, BCD-to-Decimal, Decoder, Encoder	2	15/3/23 16/3/23	5, 3th hr	
	UNIT-III				
1	Number Systems and Codes	2	17/3/23, 20/3/23	1, 5th hr	
2	Binary Conversion. The ASCII Code,Excess-3 code	2	21/3/23 22/3/23	7, 5th hr	
3	ArithmeticCircuits,2'Complement Representation, Arithmetic	2	23/3/23, 24/3/23	5, 3th hr	

	UNIT-IV				
1	Arithmetic Circuits, Arithmetic Logic Unit	2	27/3/23, 28/3/23	2, 6th hr	
2	Binary Multiplication and Division	2	28/3/23, 29/3/23	5, 7th hr	
3	Clocks and Timing Circuits and Waveform	2	30/3/23, 01/4/23	4th hr, 2nd hr	
4	Flip-Flops, Edge – Triggered, D Flip-Flops	2	03/4/23, 04/4/23	3rd hr, 7th hr	
5	Edge Triggered JK Flip Flops	2	05/4/23, 06/4/23	5th, 7th hr	
6	JK Master-Slave Flip-Flops	2	08/4/23, 10/4/23	3rd hr, 4th hr	
	UNIT-V				
1	Registers, Serial-In, Serial-Out	1	11/4/23	3rd hr	
2	Serial-In, Parallel-Out-In	1	13/4/23	1st hr	
3	Memory Introduction, Memory Addressing	1	15/4/23, 17/4/23	4, 5th hr	
4	ROMs, PROMs, EPROMs and EEPROM,RAMs	1	18/4/23	1st hr	
5	A Simple Computer Design	1	20/4/23	5th hr	

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

FACULTY 9/5/23 **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :

Name: SHALINI P Subject: Data Mining and warehosuing

Code: 19UCSE08 Year / Semester: III B.Sc "B" / VI Sem

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
Introduction	1	25/01/23	2nd hr	
Data Mining Application	1	27/01/23	1st hr	
Data mining Techniques	2	28/01/23	1st, 4th hr	
Data Mining case studies	1	01/02/23	2nd hr	
The Future of data mining	1	02/02/23	5th hr	
Data mining software	1	04/02/23	2nd hr	
Association rules mining	3	06/02/23 07/02/23	1st hr 1, 4th hr	
Task and a native algorithm	1	08/02/23	2nd hr	
Apriori algorithm	2	11/02/23 13/02/23	2nd, 1st hr	
Improve the efficient of the apriori algorithm	2	15/2/23 18/2/23	2nd, 2nd hr	
Performance Evaluation of Algorithm and FP – Growth	2	20/2/23 21/2/23	1st hr 1st hr	
UNIT-II				
Classfication	2	22/2/23 25/2/23	2nd hr 2nd hr	
Decision Tree	2	27/2/23 28/2/23	1st hr 1st hr	
DT rules	1	01/3/23	3rd hr	
Naïve bayes method	1	06/3/23	1st hr	
Other evaluation criteria for classification method	2	08/3/23	2, 7th hr	
Classification software	1	13/3/23	1st hr	
UNIT-III				
Cluster Anaiysis	2	14/3/23	2, 4th hr	
Types of data	2	15/3/23	2, 7th hr	

3	Computing distance	2	20/3/23 21/3/23	1, 2 hr	
4	Partitioned method	2	21/3/23 22/3/23	4, 2 hr	
5	Hierarchical Methods	1	28/3/23	1 3th hr	
6	Density based Methods	2	28/3/23	2, 4th hr	
7	Dealing with large databases	1	29/3/23	3 rd hr	
8	Cluster analysis software	1	30/3/23	6th hr	

UNIT-IV

1	Web data Mining- Introduction	1	01/4/23	4th hr	
2	Web Terminology and Charcteristics	1	03/4/23	2th hr	
3	Web content Mining	1	03/4/23	3 sth hr	
4	Web usage Mining	1	04/4/23	5th hr	
5	Web structure Mining	1	05/4/23	3 rd hr	
6	Web Mining Software	2	05/4/23 06/4/23	1, 3rd hr	
7	Search Engines Functionality	1	8/4/23	5th hr	
8	Ranking of Web Pages	1	10/4/23	6 th hr	

UNIT-V

1	Data Warehousing Introduction	2	11/4/23 12/4/23	1, 5th hr	
2	Operational Data sources	1	13/4/23	3rd hr	
3	Data Warehousing Design	2	15/4/23 17/4/23	2, 6th hr	
4	Guidelines for data warehousing implementation	2	18/4/23 19/4/23	5, 7th hr	
5	OLAP Characteristics of OLAP System	1	20/4/23	3rd hr	
6	Data Cube Implementation	1	20/4/23	5th hr	
7	OLAP Implementation Guidelines	1	24/4/23	7th hr	

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit.

9/5/23

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan
ACADEMIC YEAR :2022-23

Faculty Name: SHALINI P Subject: Computer Applications in Business

Subject Code: 19UBA18 Year / Semester: III BBA /VI

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
	UNIT-I				
1	Introduction to Programming Languages	1	23/1/23	3rd hr	
2	Meaning Requisites, Overview of Programming Language	2	24/1/23 25/1/23	5,3rd hr	
3	Basic Coding Structures	2	27/1/23 30/1/23	3,3rd hr	
4	Programming Languages Clarification	2	31/1/23	5,7th hr	
	UNIT-II				
1	Introduction to Microsoft Office	2	01/2/23 02/2/23	3,1st hr	
2	Introduction to MS Word	2	03/2/23 06/2/23	3,3rd hr	
3	Creating and Editing Documents	1	07/2/23	5th hr	
4	Menu, Commands, Tool bars and icons	2	08/2/23 09/2/23	3,5th hr	
5	Formatting documents	1	10/2/23	3rd hr	
7	Creating tables, Mail Merge	2	13/2/23 14/2/23	3,5th hr	
	UNIT-III				
1	Ms Excel, Spread Sheet Overviews	1	16/2/23	1,5th hr	
2	Menu, Toolbars, icons	2	17/2/23	3,6th hr	
3	Creating Worksheet	1	20/2/23	3rd hr	
4	Editing and Formatting	1	21/2/23	5th hr	
5	Excel formulas and functions	3	22/2/23 23/2/23	5,1,5th hr	
6	Creating a chart	1	24/2/23	3rd hr	
7	MS Power Point Introduction	2	27/2/23 28/2/23	3,5th hr	

8	Tool Bars and Text, Formats	1	01/3/23	31 dhr	1
9	Animations art and Sound	1	02/3/23	5 th hr	1
	UNIT-IV				
1	Data Processing	2	6/3/23 07/3/23	3,5 th hr	4
2	Types of Data	1	13/3/23	3 th hr	1
3	Objectives of data Processing Techniques	1	14/3/23	5 th hr	0
4	Developing a Computer Program	2	15/3/23 16/3/23	3,5 th hr	6
5	Processing of a computer assembler and Translator	1	17/3/23	3 rd hr	1
6	File Processing, Editing and Coding of data	2	27/3/23 28/3/23	3,1 st hr	0
7	Data Management	2	29/3/23	1,5 th hr	2
	UNIT-V				
1	Internet Concept	2	01/4/23, 03/4/23	5 th 7 th hr	4
2	Creating E-mail ID	2	04/4/23, 05/4/23	1,6 th hr	1
3	Receiving and Sending E-Mail	2	08/4/23 10/4/23	2,5 th hr	2
4	Searching Information and Downloading	1	11/4/23	3 rd hr	2
5	World Wide Web	2	15/4/23, 18/4/23	4,7 th hr	2
6	Domain Name Service	1	22/4/23	2 st hr	1

Teaching Methods: Lecture using Board, LCD,Discussion& Field Visit

29/5/23

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R. HOSUR – 635130

DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

ACADEMIC YEAR :2022-23

Faculty Name: **Nagajothi K** Subject: **Computer Organization and Architecture**

Subject Code: Year / Semester: **I B.Sc CS 'C' / II**

S.No	Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial Remarks
	UNIT-I				
1	Introduction of Digital Principles	1	2.1.'23	4	
2	Definition for digital Signals	1	3.1.'23	4	
3	Digital Waveforms	2	19.1.'23 20.1.'23	4 4	
4	Digital Logic	2	1.2.'23 2.2.'23	4 4	
5	Moving and storing Digital Information	2	6.2.'23	4 4	
6	Digital Operations, Digital Computers	2	9.2.'23	4 4	
7	Digital Integrated Circuits	1	27.2.'23 28.2.'23	4 4	
8	Digital Logic Gates and Universal Logic Gates	2	1.3.'23 2.3.'23	4 4	
9	Invert Gates, Positive and Negative Logic	2	8.3.'23	4	
	UNIT-II				
1	Combinational Logic Circuits	2	9,10.3.23	4,4	
2	Boolean Laws and Therems	1	11.3.'23	4	
3	Sum of Products Method	1	13.3.'23	4	
4	Truth Table to Karnaugh Map	2	14.15.3.'23	4,4	
5	Pairs, Quads and Octets	2	16 17.3.'23	4 4	
6	Karnaugh Simplification, Product-of-sums Simplification	2	18,20.3.'23	4,4	
7	Multiplexer 1 to16,De- Multiplexer, BCD-to-Decimal, Decoder, Encoder	2			
	UNIT-III				
1	Number Systems and Codes	2	21,22.3.'23	4,4	
2	Binary Conversion, The ASCII Code,Excess-3 code	2	24,25.3.'23	4,4	
3	ArithmeticCircuits,2'Complement Representation, Arithmetic	2	25.3.'23	4,4	

	UNIT-IV				
1	Arithmetic Circuits, Arithmetic Logic Unit	2	28.2.23	1.2	
2	Binary Multiplication and Division	2	30.3.23	1.6	
3	Clocks and Timing Circuits and Waveform	2	1.3.4.23	2.3	
4	Flip-Flops, Edge – Triggered, D Flip-Flops	2	4.5.4.23	1.2	
5	Edge Triggered JK Flip Flops	2	7.8.4.23	6.2	
6	JK Master-Slave Flip-Flops	2	10,11.4.23	3.4	
	UNIT-V				
1	Registers, Serial-In, Serial-Out	1	13.4.23	6	
2	Serial-In, Parallel-Out-In	1	14.4.23	2	
3	Memory Introduction, Memory Addressing	1	11.4.23	3	
4	ROMs, PROMs, EPROMs and EEPROM,RAMs	1	17.4.23	4	
5	A Simple Computer Design	1	18.4.23	2	

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

10/5/23

FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R Hosur- 635130

Department of Computer Science

Lesson Plan

Academic Year – Dec 2022 – April 2023

Faculty Name: Nagajothi K **Subject: Software Engineering**

Subject Code: **Year / Semester: III B.Sc CS 'B' / VI**

S.NO	Topic to be Covered	Hours Planed	Date on which topic Covered	Hours on which topic Covered	Initial/ Remarked
1	Introduction	1	25.1.'23	5	
2	Software Engineering Discipline	1	6.2.'23	1	
3	Evolution and Impact	1	8.2.'23	3	
4	Program vs Software Product	1	9.2.'23	6	
5	Software Life Cycle Models: use of a Life Cycle Model	1	10.2.'23	2	
6	Classical Waterfall Model	1	15.2.'23	1	
7	Iterative Waterfall Model	1	13.2.'23	5	
8.	Prototyping Model	1	17.2.'23	2	
9	Evolutionary Model	1	20.2.'23	5	
10	Spiral Model	2	22.2.'23 23.2.'23	3.6	
11	Software Project Management: Responsibility of a software Project Management	1	21.2.'23	2	
12	Project Planning	1	27.2.'23	5	
13	Metrics for Project Size Estimation	1	3.3.'23	2	
14	Project Estimation Techniques	1	07.3.'23	2	
15	Risk Management	2	10.3.'23	2.4	

Unit – 2

1	Requirement Analysis and Specification: Requirements getting and Analysis	2	13.3.'23 16.3.23	5 7	
2	Software Requirements Specifications	1	15.3.'23	3	
3	Formal System Development Techniques	2	17.3.'23	2.4	
4	Software Design: Characteristic of a good Software Design	1	20.3.'23	5	
5	Cohesion and Coupling-Neat Arrangement	2	21,22.3.'23	7,3	
6	Software Design Approach	2	23,24.3.'23	3,6	
Unit - 3					
1	Function – Oriented Software Design: Overview of SA/SD Methodology	2	27,28.3.'23	7,3	
2	Structured Analysis	1	29.3.'23	3	
3	Data Flow Diagrams (DFDs)	2	30 31.3.'23	6,4	

4	Object Modelling Using UML: Overview of object-oriented concepts	1	3.4.'23	5	
5	UML Diagram – Use case Model – Class Diagrams	2	5.6.4.'23	3.4	
6	Activity Diagram – State Chart Diagram	2	10.11.4.'23	5.7	
	Unit - 4				
1	User Interface Design: Characteristic of a good user Interface	1	12.4.'23	3	
2	Basic Concepts: Types of user Interface	2	13.4.23	1	
3	Component Based GUI Development	1	17.4.'23	3	
4	Coding and Testing: Coding – Testing – Unit – Testing	2	18.4.'23	2.4	
5	Black – Box Testing , White Box Testing	1	19.4.'23	3	
6	Debugging Integration Testing – System Testing	1	20.4.23	1	
	Unit - 5				
1	Software Reliability and Quality Management: Software Reliability	2	21.4.'23	2.4	
2	Statical Testing – Software Quality- Software Quality Management System	1	24.4.'23	5	
3	ISO 9000	1	25.4.23	7	
4	Computer Aided Software Engineering: CASE Environment - Case Support in Software Life Cycle	2	26.4.'23	3.6	
5	Characteristics of CASE Tool	1	27.4.'23	6	
6	Architecture of a Case Environment	1	28.4.'23	5	
7	Software Maintenance: Characteristics of Software Maintenance	2	29.4.23	3.4	
8	Software Revers Engineering	1	1.5.'23	5	
9	Software Maintenance Process model	1	2.5.23	7	
10	Estimation of Maintenance Cost	1	3.5.23	3	
11	Software Reuse: Issues in any Reuse: Program - Reuse Approach	1	4.5.'23	6	

Teaching Methods: Lecture using Board, LCD ,Discussion& Field Visit

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FACULTY **HEAD OF THE DEPARTMENT** **PRINCIPAL**

M.G.R.COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE
Lesson Plan
ACADEMIC YEAR :2022-2023

Subject: Computer Applications in Office

K. NAGAJOTHI

Year / Semester: II B. Sc Bio Tec sec(B) / IV

21UCSA02

Topics to be covered	Hours Planned	Date on which topic covered	Hour on which topic covered	Initial/ Remarks
UNIT-I				
Exploring Word 2007: Working in the Environment	1	25.1.'23	1	
, Moving Around in, and closing ument	1	26.1.'23	1	
ing and Saving A Document	1	27.1.'23	5	
ing and Printing Document	1	28.1.'23	4	
g and Proofreading Documents: g Changes to document	1	30.1.'23	1	
ing Saved Text	1	2.2.'23	1	
g the Most Appropriate Word	1	4.2.'23	4	
izing a Document Outline	1	6.2.'23	1	
g and Replacing Text	1	7.2.'23	1	
cting spelling and Grammatical errors	1	9.2.'23	4	
ing Document	1	11.2.'23	4	
UNIT-II				
d Changing the Look of Text: Quickly ting Text and Paragraphs	2	13.2.'23	1, 7	
kly changing the look of characters	1	14.2.'23	1, 5	
kly changing the look of paragraphs	1	16.2.'23	4	
ing and modifying Lists ting Information in Columns and Tables	2	18.2.23	3, 4	
ting Information in Columns	1	20.2.'23	1	
ing Tabular List , Presenting Information in	1	20.2.'23	7	
nting Table Information	1	21.2.'23	1	
ming Calculations in a Table	1	21.2.'23	5	
g Table to control Page Layout	1	23.2.'23	4	
UNIT-III				
Planning: Introduction, Objectives MS ting Up a Workbook	1	25.2.23	2	
g Workbooks, Modifying Workbooks	1	27.2.23	1	

Modifying Worksheets	1	28.2.23	1	
Working with Data and Data Tables, Entering and Revising Data	1	27.2.23	1	
Moving Data within a Workbook	1	1.3.'23	2	
Finding and Replacing Data	2	1.3.'23	1, 7	
Correcting and Expanding Upon Worksheet Data	1	7.3.'23	1, 5	
Defining a Table, Performing Calculations on Data : Naming Groups of Data	1	9.3.'23	7	
Creating Formulas to Calculate Values	1	11.3.'23	2	
Summarizing Data that meets Specific Conditions	1	13.3.'23	1, 7	
Finding and Correcting Errors in Calculations	1	14.3.'23	1	
Changing Document Appearance of Activity Planning	1	14.3.'23	5	
UNIT-IV				
MS-Access: Introduction , Parts of an Window	1	16.3.'23	1	
Creating a New Data Base	1	18.3.'23	2	
Table Wizard, Renaming	1	20.3.'23	1, 7	
Saving the Database	1	21.3.'23	1	
Relationships ,Query , Form , Reports	1	21.3.23	5	
Exiting MS-Access	2	23.3.2023, 25.3.2023	1, 2	
UNIT-V				
MS PowerPoint Starting a New Presentation Working with Slide Text, Working with Slide Text	1	27.3.'23	1, 7	
Entering Text ,Editing Text	1	28.3.'23	1	
Adding and Manipulating Text Boxes	1	28.3.'23	5	
Correcting and Sizing text, Checking Spelling, Finding and replacing text and fonts	1	3.4.'23	1, #	
Changing the size, Alignment, Spacing	1	3.4.'23	7	
Adjusting the Slide Layout, Order and Look changing the Layout of a slide	2	4.4.23	1, 5	
Rearranging Slides in a Presentation	1	5.4.23	7	
Applying a theme -Switching to a Different Color Scheme	1	8.4.'23	2	
Adding Shading and texture to the background of a slide	1	10.4.'23	1	
Delivering a Presentation Electronically	1	10.4.'23	7	

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Modifying Worksheets	1	22.2.23	1	
Working with Data and Data Tables, Entering and Revising Data	1	27.2.23	1	
Moving Data within a Workbook	1	1.3.'23	2	
Finding and Replacing Data	2	1.3.'23	1, 7	
Correcting and Expanding Upon Worksheet Data	1	7.3.'23	1, 5	
Defining a Table, Performing Calculations on Data : Naming Groups of Data	1	9 3 '23	1	
Creating Formulas to Calculate Values	1	11 3 '23	2	
Summarizing Data that meets Specific Conditions	1	13.3.'23	1.7	
Finding and Correcting Errors in Calculations	1	14.3.'23	1	
Changing Document Appearance of Activity Planning	1	14.3.'23	5	

UNIT-IV

MS-Access: Introduction , Parts of an Window	1	16.3.'23	4	
Creating a New Data Base	1	18 3.'23	2	
Table Wizard, Renaming	1	20.3.'23	1, 7	
Saving the Database	1	21 3.'23	1	
Relationships ,Query , Form , Reports	1	21 3.23	5	
Exiting MS-Access	2	23, 25.3 2023	1, 2	

UNIT-V

MS PowerPoint Starting a New Presentation Working with Slide Text, Working with Slide Text	1	27.3.'23	1, 7	
Entering Text ,Editing Text	1	28.3.'23	1	
Adding and Manipulating Text Boxes	1	28 3.'23	5	
Correcting and Sizing text, Checking Spelling, Finding and replacing text and fonts	1	3.4.'23	1, 7	
Changing the size, Alignment, Spacing	1	3.4.'23	7	
Adjusting the Slide Layout, Order and Look changing the Layout of a slide	2	4.4.23	1, 5	
Rearranging Slides in a Presentation	1	5.4.23	1	
Applying a theme -Switching to a Different Color Scheme	1	8.4.'23	2	
Adding Shading and texture to the background of a slide	1	10.4.'23	1	
Delivering a Presentation Electronically	1	10.4.'23	7	

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M.G.R. COLLEGE, HOSUR – 635130
DEPARTMENT OF COMPUTER SCIENCE

Lesson Plan

Academic Year: 2022 – 2023

Faculty Name: K. Nagajothi **Sub: Office Automation**

Subject Code: 21UCSAP01 **Years/Semester: II B.Sc Bio-Tech 'B'/IV**

S.No	Program Topics to Be Covered	Hours Planned	Date on Which Topic Covered	Initial / Remarks
	MS _ WORD			
1	Text Manipulation	3	08.02.2023	
2	Bio – Data	3	08.02.2023	
3	Find and Replace	3	15.02.2023	
4	Tables and Manipulation	3	15.02.2023	
5	Mail Merge	3	22.02.2023	
	MS _ EXCEL			
6	Data Sorting	3	01.03.2023	
7	Mark List Preparation	3	01.03.2023	
8	Pay Bill Presentation	3	15.03.2023	
9	Invoice Report	3	15.03.2023	
10	Drawing Graphs	3	29.03.2023	
	MS -POWERPOING			
11	Presentation for a seminar	3	05.04.2023	
12	Organization Chart	3	05.04.2023	
13	Student Mark list Preparation	3	12.04.2023	
14	Bar- Chart Presentation	3	12.04.2023	
15	Transition Effect Slides	3	12.04.2023	

STAFF-IN-CHARG HOD 15/5/23 PRINCIPAL