Vijaya College, RV Road, Bengaluru-560004
Department of Computer science
Academic year 2022-2023

Academic Planner with unitisation of the entire syllabus (on hourly basis)

Name of the Department	Computer science	Subject Title	PROBLEM SOLVING TECHNIQUES USING C
Semester	I	Paper	BSC
Week/Month & Date(Preferably)	Day	Portions Planned for 1 hour	TEACHER
3rd week of Sep 2022	1	Introduction to Programming Concepts: Software and Classification of Software,systemsoftware,application software	SSS
	2	Modular Programming, Structured Programming(top-down and bottom-up approach).	SSS
	3	Programming design,Algorithms And flowchart	SSS
	4	Examples of algorithms and flowchart.	SSS
4th week of Sep 2022	1	Structure of c program,example.	SSS
	2	Character set , C tokens,identifiers Keywords (reserve words)definition and different keywords	SSS
	3	Data types, Variables and examples on datatypes and variables	SSS
	4	Constants:Integer,float,double,string constants	SSS

1st week of Oct 2022	1	Operators in C:Airthmetic,logical,relational,special etc	SSS
	2	Precedence of operators	SSS
	3	Expressions-Arithmetic,logical,relational	SSS
	4	Type Casting and LibraryFunctions.	SSS
2nd week of Oct 2022	1	Assignment1given on 1st chapter	SSS
	2	Managing Input and Output Operation: Unformatted I/O Functions ,Formatted I/O Functions	SSS
	3	Decision Making Statements - if Statement, if–else statement(with examples)	SSS
	4	nesting of if-else statements, , else–if ladder(with example programs)	
3rd week of Oct 2022	1	switch statement, ?: operator(conditional operator)	SSS
	2	pre-tested and post tested loops(while and do-while), for loop ,example programs	SSS
	3	Nested for loop, break, continue, and goto statements	SSS
	4	Function Definition, prototyping	SSS
4th week of Oct 2022	1	types of functions, passing arguments to functions	SSS
	2	Pass by value and pass by reference	SSS
	3	Recursive functions	SSS
	4	Assignment given on second unit	SSS
1st week of Nov	1	Internal test conducted on1st and 2nd	SSS

2022		unit	
	2	introduction on Arrays	SSS
	3	Arrays: Declaring and Initializing	SSS
	4	One Dimensional Arrays-examples and programs	SSS
2nd week of Nov 2022	1	Two Dimensional Arrays -examples and programs	SSS
	2	Multi Dimensional Arrays Passing arrays to functions	SSS
	3	Strings: Declaring and Initializing strings	SSS
	4	Operations on strings-length,concat,copy	SSS
3rd week of Nov 2022	1	Program to show the usage of some string library function	SSS
	2	Program to find frequency of occurrence of specified character	SSS
	3	Count the number of vowels,constants and special symbol	SSS
	4	String is palindrome or not	SSS
4th week of Nov 2022	1	Concatenate two strings without using strcat()	SSS
	2	Array of strings with example	SSS
	3	Sorting,bubble sort algorithm	SSS
	4	Sort numbers in Ascending orser using bubble sort	SSS
1st week of Dec 2022	1	substring and compare,Arrays of strings	SSS
	2	passing strings to functions-example	SSS
	3	Storage Classes - Automatic, External, Static and Register Variables.	SSS

	4	Searching explanation	SSS
	1	Linear search algorithm	SSS
	2	Program to search for n item in array using linera search	SSS
	3	Passing string to functions	SSS
	4	Assignment2 given	SSS
1st week of Dec 2022	1	Structures-Declaring and Initializing	SSS
	2	Assigning and accessing structure elemnts	SSS
	3	Program to display name and age of student using array of structures	SSS
	4	Nested structure, Array of Structure	SSS
2nd week of Dec 2022	1	Passing Structures to functions	SSS
	2	Unions, typedef,enum	SSS
	3	Size of structures and union	SSS
	4	Bit fields	SSS
2nd week of Dec 2022	1	Enumerated datatypes and examples	SSS
	2	The typedefinition example	SSS
	3	INTERNAL TEST2 CONDUCTED	SSS
	4	Pointers-introduction	SSS
2nd week of Dec 2022	1	Pointers – Declarations, Pointer arithmetic	SSS
	2	Pointers and functions	SSS
	3	Pointers and Arrays-program	SSS
	4	Arrays of Pointers-program related to concept	SSS

3rd week of Dec 2022	1	Pointers and Structures	SSS
	2	Meaning of static and dynamic memory allocation	SSS
	3	Dynamic memory allocation	SSS
	4	Memory allocationfunctions-malloc (),calloc()	SSS
3rd week of Dec 2022	1	Files - File modes	SSS
	2	File functions-create,open,close	SSS
	3	File operations-read,write,etc	SSS
	4	Text and Binary files	SSS
3rd week of Dec 2022	1	Command Line arguments. C Preprocessor directives	SSS
	2	Macros – Definition, types of Macros	SSS
	3	Repetition of structure of c	SSS
	4	Repetition of looping concept	SSS
	1	Repetition of functions	SSS
	2	Explanation of lab programs	SSS
	3	Question paper discussion	SSS
	4	Question paper discussion	SSS

Vijaya College, RV Road, Bengaluru-560004
Department of Computer Science

CURRICULAR ASPECTS for the academic year 2022-2023

Academic Planner with unitisation of the Entire Syllabus

Name of the Department	Computer Science	Subject Title	Teacher
Semester	3RDSEMESTER BSc	CS-C5T: Object Oriented programming using Java	**KMS**
Week/Month & Date (Preferably)	**Day**	**Portions Planned for 4 hour per week**	
1st Week of Nov 2022	1	Introduction to to JAVA: JAVA Evolution: Java History, Java Features,	**KMS**

Vijaya College, RV Road, Bengaluru-560004
Department of Computer Science

CURRICULAR ASPECTS for the academic year 2022-2023

Academic Planner with unitisation of the Entire Syllabus

Name of the Department	Computer Science	Subject Title	Teacher
Semester	**3RDSEMESTER BSc**	**CS-C5T: Object Oriented programming using Java**	**KMS**
Week/Month & Date (Preferably)	**Day**	**Portions Planned for 4 hour per week**	
1st Week of Nov 2022	1	Introduction to to JAVA: JAVA Evolution: Java History, Java Features,	**KMS**

	2	How Java Differs from C and C++, Java and Internet,	**KMS**
	3	Java and World Wide Web, Web Browsers, Hardware and Software Requirements,	**KMS**
	4	Java Support Systems, Java Environment.	**KMS**
2nd Week of Nov 2022	**1**	Overview of JAVA Language: Introduction, Simple Java program	**KMS**
	2	More of Java Statements, Implementing a Java Program, Java Virtual Machine,	**KMS**
	3	Command Line Arguments, Programming Style	**KMS**
	4	Introduction, Constants, Variables, Data Types	**KMS**
3rd Week of Nov 2022	**1**	Declaration of Variables, Giving Values to Variables, Scope of Variables, Symbolic Constants	**KMS**
	2	Type Casting, Getting Values of Variables, Standard Default Values	**KMS**
	3	Operators and Expressions:	**KMS**
	4	Introduction, Arithmetic Operators, Relational Operators Logical Operators, Assignment Operators, Increment and Decrement	**KMS**

4th Week of Nov 2022		Operators, **Assignment1 given**	
	1	Conditional Operators, Bitwise Operators, Special Operators, Arithmetic Expressions, Evaluation of Expressions	**KMS**
	2	Precedence of Arithmetic Operators	**KMS**
	3	Type Conversion and Associativity, Mathematical Functions. Decision Making and Branching	**KMS**
	4	The Switch Statement, The ?: Operator. Decision Making and Looping:	**KMS**
1st Week of Dec 2022	1	Introduction. The while Statement, The do Statement, The for Statement, Jumps in Loops Labelled Loops.	**KMS**
	2	Unit – II **INHERITANCE AND POLYMORPHISM** Classes, Arrays, Strings and Vectors: Classes, Objects and Methods: Introduction, Defining a Class, Adding Variables, Adding Methods, Creating Objects	**KMS**
	3	Accessing Class Members, Constructors, Methods Overloading, Static Members, Nesting of Methods	**KMS**

	4	Inheritance: Extending a Class Overriding Methods, Final Variables and Methods,	**KMS**
2nd Week of Dec 2022	1	Finalizer methods, Abstract Methods and Classes, Visibility Control. Arrays, Strings and Vectors: Arrays, Onedimensional Arrays	**KMS**
	2	Creating an Array, Two - Dimensional Arrays, Creating an Array, Two – dimensional Arrays, Strings, Vectors, Wrapper Classes. **Assignment2 given**	**KMS**
	3	Unit - III **Event and GUI** Interfaces, Packages, and Multithreaded Programming: Interfaces: Multiple Inheritance: Introduction,	**KMS**
	4	Defining Interfaces, Extending Interfaces, Implementing Interfaces, Accessing Interface Variables.	**KMS**
3rd Week of Dec 2022	1	Packages: Putting Classes together: Introduction, Java API Packages, Using System Packages, Naming Conventions	**KMS**
	2	Creating Packages, Accessing a Package, Using a Package, Adding a Class to	**KMS**

		a Package, Hiding Classes	
	3	Multithreaded Programming: Introduction, Creating Threads, Extending the Thread Class	**KMS**
	4	Stopping and Blocking a thread, Life Cycle of a thread, Using Thread Methods	**KMS**
4th Week of Dec 2022	**1**	Thread Exceptions, Thread Priority, Synchronization, Implementing the 'Runnable' Interface	**KMS**
	2	Unit – IV **Multi threading in Java** Managing Exceptions, Applet Programming: Managing Errors and Exception: Introduction	**KMS**
	3	Types of Exception Handling Code, Multiple Catch Statements, Using Finally Statement, Throwing Our Own Exceptions, Using Exceptions for Debugging.	**KMS**
	4	Applet Programming: Introduction, How Applets Differ from Applications, **Assignment3 given**	**KMS**
1st Week of Jan 2023	**1**	Preparing to Write Applets, Building Applet Code, Applet Life Cycle, Designing a Web Page	**KMS**

	2	Applet Tag, Adding Applet to HTML File, running the Applet	**KMS**
2nd Week of Jan 2023	**3**	**Internal test**	**KMS**
	4	Creating an Executable applet,	**KMS**
	1	More About HTML Tags, Displaying Numerical Values,	**KMS**
	2	Getting Input from the User.	**KMS**
	3	Creating Packages, Accessing a Package, Using a Package, Adding a Class to a Package, Hiding Classes	**KMS**
3rd Week of Jan 2023	**4**	Multithreaded Programming: Introduction, Creating Threads, Extending the Thread Class	**KMS**
	1	Stopping and Blocking a thread, Life Cycle of a thread, Using Thread Methods	**KMS**
	2	Creating Packages, Accessing a Package, Using a Package, Adding a Class to a Package, Hiding Classes	**KMS**
	3	Multithreaded Programming: Introduction, Creating Threads, Extending the Thread Class	**KMS**
	4	Introduction, Concept of Streams, Stream Classes,	**KMS**
	1	Byte Stream Classes, Character Stream Classes	**KMS**

	2	Byte Stream Classes, Character Stream Classes	**KMS**
	3	Using Streams, Other Useful I/O Classes, Using the File Class,	**KMS**
	4	Input / Output Exceptions	**KMS**
	1	Creation of Files, Reading / Writing Characters	**KMS**
4th Week of Jan 2023	2	Displaying Numerical Values, Getting Input from the User	**KMS**
	3	**Assignment4 given**	**KMS**
	4	Reading / Writing Bytes	**KMS**
1st Week of Feb 2023	1	Handling Primitive Data Types	**KMS**
	2	Concatenating and Buffering Files	**KMS**
	3	Accessing a Package, Using a Package,	**KMS**
	4	Interactive Input and output, Other Stream Classes.	**KMS**
2nd Week of Feb 2023	1	running the Applet PROGRAMS	**KMS**
	2	Class test -1conducted	**KMS**
	3	Preparing to Write Applets, Building Applet Code,	**KMS**
	4	Applet Tag, Adding Applet to HTML File, running the Applet	**KMS**

3rd Week of Feb 2023	1	Applet Life Cycle, Designing a Web Page	**KMS**
	2	Question paper discussion	**KMS**
	3	Revision	**KMS**
4th Week of Feb 2023	4	Class test -2 conducted	**KMS**

Vijaya College, R.V. Road, Bengaluru-560004
Department of Computer Science
ACADEMIC PLANNER 2022-2023

V Semester BSC C section paper V

- Academic Planner with unitisation of the entire syllabus (on hourly basis)

Name of the Department	Computer Science	Course: Bsc V Semester C section Subject Title: JAVA PROGRAMMING	
Semester	V		
Week/Month	Day	Portions Planned for 1 hour	Teacher
1rd week of NOVEMBER	1	Introduction to JAVA: JAVA Evolution: Java History	HKG
	2	Java Features, How Java Differs from C and C++	
	3	Java and Internet, Java and World Wide Web, Web Browsers	
2th week of NOVEMBER	1	Hardware and Software Requirements, Java Support Systems	
	2	Java Environment, Java Virtual Machine	
	3	Overview of JAVA Language: Introduction, Simple Java program	
3rd week of November	1	More of Java Statements, Implementing a Java Program	
	2	Command Line Arguments, Programming Style	
	3	Constants, Variables, and Data Types: Introduction	
4th week of NOVEMBER	1	Constants, Variables, Data Types, Declaration of Variables, Giving Values to Variables	
	2	Scope of Variables, Symbolic Constants	
	3	Type Casting, Getting Values of Variables, Standard Default Values	
1st week of DECEMBER	1	Operators and Expressions: Introduction, Arithmetic Operators, Relational Operators, Logical Operators	
	2	Assignment Operators, Increment and Decrement Operators	
	3	Special Operators, Arithmetic Expressions, Evaluation of Expressions Conditional Operators, Bitwise Operators	
2nd week of DECEMBER	1	Precedence of Arithmetic Operators, Type Conversion and Associativity	
	2	Mathematical Functions. Decision Making and Branching: Introduction	
	3	Decision Making with if Statement, Simple if Statement, The if…..else Statement	
3rd week of DECEMBER	1	Nesting of if………Else Statements, The else if Ladder, The Switch Statement	
	2	The ?: Operator. Decision Making and Looping: Introduction.	
	3	The while Statement, The do Statement, The for Statement	
4th week of DECEMBER	1	Jumps in Loops, Labelled Loops, Defining a Class, Adding Variables,	HKG
	2	Adding Methods, Creating Objects, Accessing Class	

		Members,
	3	Constructors, Method Overloading, Static Members, Nesting of Methods
	1	Inheritance: Extending a Class, overriding
1st week of JAN	2	Finalizer methods, Abstract Methods and Classes
	3	Abstract Methods and Classes examples and programs, Visibility Control-public, private, default and protected
	1	Arrays, One-dimensional Arrays, Creating an Array, Two - Dimensional Arrays
2nd week of JAN	2	Creating an Array, Two – dimensional Arrays, strings, wrapper classes,
	3	Vectors, Interfaces: Multiple Inheritance: Introduction, Defining Interfaces, Extending Interfaces, Implementing Interfaces
	1	Accessing Interface Variables. Packages: Putting Classes together: Introduction, Java API Packages
3rd week of JAN	2	Using System Packages, Creating Packages, Accessing a Package. Using a Package, adding a Class to a Package, Hiding Classes
	3	Multithreaded Programming: Introduction, Creating Threads, Extending the Thread Class
	1	Stopping and Blocking a thread, Life Cycle of a thread, Using Thread Methods, Thread Exceptions
4th week of JAN	2	Thread Priority, Synchronization, implementing 'Runnable Interface'
	3	Managing Exceptions, Introduction, Types of Exception Handling Code, Multiple Catch Statements, Using Finally Statement
	1	Throwing Our Own Exceptions, Using Exceptions for Debugging. Applet Programming-Introduction
1st week of FEB	2	How Applets Differ from Applications, Preparing to Write Applets, Building Applet Code
	3	More About HTML Tags, Displaying Numerical Values, Getting Input from the User. Applet Tag, Adding Applet to HTML File, running the Applet.
	1	Graphics programming: Introduction, The Graphics Class, Lines and rectangles, circles, and Ellipses Drawing Arcs, Drawing Polygons, Lines Graphs
2nd week of FEB	2	Using Control Loops in Applets, Drawing Bar Charts,
	3	Concept of Stream Classes, Streams, Byte Stream Classes, Character Stream Classes Using Streams, Other Useful I/O Classes
3rd week of FEB	1	Using the File Class, Input / Output Exceptions, Creation of Files, Reading / Writing Characters, Reading / Writing Bytes Handling Primitive Data Types

HKG

	2	Concatenating and Buffering Files, Interactive Input and output, Other Stream Classes.	
	3	TEST1	
th week of FEB	1	DISCUSSING QUESTION PAPER	
	2	DISCUSSING QUESTION PAPER	
	3	DISCUSSING QUESTION PAPER	

Vijaya College, R.V. Road, Bengaluru-560004

Department of Computer Science

NAAC criteria-1: CURRICULAR ASPECTS for the academic year 2022-2023

Odd Semester

- Academic Planner with unitisation of the entire syllabus (on hourly basis)

Name of the Department	Computer Science	Course: V Sem B Sc PMCS CS5T1: VISUAL PROGRAMMING	Teacher
Week/Month & Date (Preferably)	Day	Portions Planned	BN
1st week of November 2022	1	Introduction to Visual Programming:	BN
	2	The integrated Development Environment – menu bar, tool bar, form designer, project explorer, properties window, form layout window	
	3	The VB editor. The form object: Properties, events and methods of forms Properties – Name, Captain, Backcolor, Borderstyle,	
2nd week of November 2022	1	toolbox, maxbutton, minbutton, moveable, startup position, height, width, left, top, scalemode, window, state	
	2	Events –load, unload, Clerk, Activate, Deactivate, Resize methods – Show, Hide, Cls, Unload, Print,	
	3	Controls –Properties and events of different controls such as command buttons labels, textboxes image controls,	
3rd week of November 2022	1	timer, horizontal and vertical scroll bars, option buttons check boxes, frames lists and combo boxes.	
	2	Predefined Dialog Boxes – MsgBox and InputBox Programming: Data types, variables;	
	3	Declaration and scope arithmetic operations, Study of form and code modules private and public procedures,	

4th week of November 2022	1	Main procedure, Sub and Functions. Mathematical and string Functions
	2	Branching and Looping Statement; If – Then, if –Then –Else and Nested If Statements; Select Case –different forms
	3	For – Next, While – Wend and Do – Loops statements; Arrays- declaration **Assignment -1**
1st week of December 2022	1	Static and dynamic arrays. Array Function
	2	menus and toolbars-Creating menus and toolbars
	3	Working with the menu editor
2nd week of December 2022	1	Designing Multiple Document Interface forms
	2	Microsoft common controls
	3	OOP methods and properties of an object, class Modules
3rd week of December 2022	1	Encapsultation and Inheritance characteristics
	2	Dynamic Link Libraries (DLLs) and Windows API
	3	Menus – Dialog Boxes
4th week of December 2022	1	Designing Help files
	2	File handling – Sequential ,Random access and Binary files
	3	Database connectivity – DAO and ADO Tables and Queries
5th week of December 2022	1	ActiveX Data objects **Assignment -2**
	2	Visual C++ Programming
	3	Objects-Classes-VC++Components

1st week of January 2023	1	Resources-Event Handling
	2	**Test 1**
	3	Importing VBX Controls
2nd week of January 2023	1	Files – MFC File Handling
	2	Files – MFC File Handling
	3	Document View Architecture
	4	Document View Architecture
3rd week of January 2023	1	Serialization
	2	Hierarchy of Operators Expressions,
	3	Interfacing Other Applications
4th week of January 2023	1	Multiple Document Interface (MDI)
	2	Multiple Document Interface (MDI)
	3	Splitter Windows
1st week of February 2023	1	Exception Handling Debugging
	2	Exception Handling Debugging
	3	Object Linking and Embedding (OLE)
2nd week of February 2023	1	Database Application – DLL
	2	ODBC

	3	**Assignment -3**	
	1	Question paper discussion	
3rd week of February 2023	2	Revision	
	3	Question paper discussion	
	4	Revision	
4th Week of February 2023	1	Question paper discussion	
	2	Revision	
	3	Question paper discussion	

Vijaya College, R.V. Road, Bengaluru-560004
Department of Computer Science
ACADEMIC PLANNER 2022-2023

V Semester BSC C section paper V

- Academic Planner with unitisation of the entire syllabus (on hourly basis)

TEACHER: Bharthi M G

Name of the Department	Computer Science	Course: Bsc V Semester C section Subject Title: JAVA PROGRAMMING	
Semester	V		
Week/Month	Day	**Portions Planned for 1 hour**	
1rd week of NOVEMBER	1	Introduction to JAVA: JAVA Evolution: Java History	
	2	Java Features, How Java Differs from C and C++	
	3	Java and Internet, Java and World Wide Web, Web Browsers	
2th week of NOVEMBER	1	Hardware and Software Requirements, Java Support Systems	
	2	Java Environment, Java Virtual Machine	
	3	Overview of JAVA Language: Introduction, Simple Java program	
3rd week of November	1	More of Java Statements, Implementing a Java Program	
	2	Command Line Arguments, Programming Style	
	3	Constants, Variables, and Data Types: Introduction	
4th week of NOVEMBER	1	Constants, Variables, Data Types, Declaration of Variables, Giving Values to Variables	

	2	Scope of Variables, Symbolic Constants	
	3	Type Casting, Getting Values of Variables, Standard Default Values	
1st week of DECEMBER	1	Operators and Expressions: Introduction, Arithmetic Operators, Relational Operators, Logical Operators	MGB
	2	Assignment Operators, Increment and Decrement Operators	
	3	Special Operators, Arithmetic Expressions, Evaluation of Expressions Conditional Operators, Bitwise Operators	
2nd week of DECEMBER	1	Precedence of Arithmetic Operators, Type Conversion and Associativity	
	2	Mathematical Functions. Decision Making and Branching: Introduction	
	3	Decision Making with if Statement, Simple if Statement, The if…..else Statement	
3rd week of DECEMBER	1	Nesting of if………Else Statements, The else if Ladder, The Switch Statement	
	2	The ?: Operator. Decision Making and Looping: Introduction.	
	3	The while Statement, The do Statement, The for Statement	
4th week of DECEMBER	1	Jumps in Loops, Labelled Loops, Defining a Class, Adding Variables,	
	2	Adding Methods, Creating Objects, Accessing Class Members,	
	3	Constructors, Method Overloading, Static Members, Nesting of Methods	
1st week of JAN	1	Inheritance: Extending a Class, overriding	
	2	Finalizer methods, Abstract Methods and Classes	
	3	Abstract Methods and Classes examples and programs, Visibility Control-public, private, default and protected	
2nd week of JAN	1	Arrays, One-dimensional Arrays, Creating an Array, Two - Dimensional Arrays	
	2	Creating an Array, Two – dimensional Arrays, strings, wrapper classes,	
	3	Vectors, Interfaces: Multiple Inheritance: Introduction, Defining Interfaces, Extending Interfaces, Implementing Interfaces	
3rd week of JAN	1	Accessing Interface Variables. Packages: Putting Classes together: Introduction, Java API Packages	
	2	Using System Packages, Creating Packages, Accessing a Package. Using a Package, adding a Class to a Package, Hiding Classes	
	3	Multithreaded Programming: Introduction, Creating Threads, Extending the Thread Class	
4th week of JAN	1	Stopping and Blocking a thread, Life Cycle of a thread, Using Thread Methods, Thread Exceptions	
	2	Thread Priority, Synchronization, implementing 'Runnable Interface'	
	3	Managing Exceptions, Introduction, Types of Exception Handling Code, Multiple Catch Statements, Using Finally Statement	
1st week of FEB	1	Throwing Our Own Exceptions, Using Exceptions for Debugging. Applet Programming-Introduction	
	2	How Applets Differ from Applications, Preparing to Write Applets,	

		Building Applet Code	
	3	More About HTML Tags, Displaying Numerical Values, Getting Input from the User. Applet Tag, Adding Applet to HTML File, running the Applet.	
2nd week of FEB	1	Graphics programming: Introduction, The Graphics Class, Lines and rectangles, circles, and Ellipses Drawing Arcs, Drawing Polygons, Lines Graphs	
	2	Using Control Loops in Applets, Drawing Bar Charts,	
	3	Concept of Stream Classes, Streams, Byte Stream Classes, Character Stream Classes Using Streams, Other Useful I/O Classes	
3rd week of FEB	1	Using the File Class, Input / Output Exceptions, Creation of Files, Reading / Writing Characters, Reading / Writing Bytes Handling Primitive Data Types	
	2	Concatenating and Buffering Files, Interactive Input and output, Other Stream Classes.	
	3	TEST1	
4th week of FEB	1	DISCUSSING QUESTION PAPER	
	2	DISCUSSING QUESTION PAPER	
	3	DISCUSSING QUESTION PAPER	

VijayaCollege

R.V. Road, Bengaluru-560004
Departmentofcomputerscience

Course BSC- V SEMESTER
PaperVI:VISUALPROGRAMMING
BSC- MECS/SMCS

Academicyears2022-2023

FACULTYNAME:SURENDRA H D(HDS)

AcademicPlannerwithunitisationoftheentiresyllabus(onhourlybasis)

Oddsemester

Nameofthe Department	computer science	CourseBSC-PaperVI:VISUALPROGRAMMING BSC-PMCSandMECS/SMCS	computer science
Semester	V	Paper	BSC-PaperVI
Week/Month & Date(Preferably)	Day	PortionsPlannedfor1 hour	Teacher
1st Week of Nov	1	IntroductiontoVisualProgramming	SURENDRA H D (HDS)
	2	theIntegratedDevelopmentEnvironment-IDE	
	3	Menubar,toolbar,fromdesigner,projectexplorer, properties window , from layout window	
		TheVisualProgrammingeditor.Theformobject	
2ND Week of Nov	1	Properties,eventsandmethodsOfforms	
	2	Properties–Name,Captain,Backcolor,Borderstyle, controlbox, maxbutton, minbutton	
	3	moveable,startupposition,height,width,left,top, scalemode, window	
		Events–load,unload,Click,ActivateDeactivate,Resize	
3RDWeek of Nov	1	Methods–Show,hide,cls,Unload, print	
	2	Controls–Propertiesandeventsofdifferentcontrolssuch as command buttons	

	3	labels,textboxes	
		Imagecontrols	
4THWeek of Nov	1	timer,horizontalandverticalscrollbars	
	2	Optionbuttons	
	3	checkboxes	
		frameslists	
1st Week of DEC	1	comboboxes	
	2	PredefinedDialogBoxes–MsgBox	
	3	InputBOX	
		Programming:Datatypes	
2NDWeek of DEC	1	variables;declarationandscope	
	2	arithmeticoperations	**SURENDRAHD (**
	3	Studyofformandcodemodules	**HDS)**
		privateandpublicprocedures	
3RDWeek of DEC	1	Mainprocedure,SubandFunctions	
	2	MathematicalandstringFunctions	
	3	Branching	
		LoopingStatements	
4THWeek of DEC	1	If–Then,if–Then–Elseand	
	2	NestedIfStatements;SelectCase–differentforms	
	3	For–Next,While–Wend	
		andDo–Loops statements	
1st Week of JAN	1	Arrays-declaration.Staticanddynamicarrays	
	2	ArrayFunction	

	3	menusandtoolbars
		Creatingmenusandtoolbars
2NDWeek of JAN	1	Workingwiththemenueditor
	2	DesigningMultipleDocumentinterfaceforms
	3	Microsoftcommoncontrols.
		ASSIGNMENTS-1&2
3RDWeek of JAN	1	OOPmethodsandpropertiesofanobject
	2	classModules,Encapsultation
	3	Inheritancecharacteristics
		DynamicLinkLibraries(DLLs)
4THWeek of JAN	1	**TEST-1**
	2	WindowsAPI
	3	DesigningHelpfiles
		Filehandling
1st Week of FEB	1	Sequential,RandomaccessandBinary files
	2	Databaseconnectivity
	3	DAOandADO
		TablesandQueries
2NDWeek of FEB	1	ActiveXDataobjects
	2	VisualC++Programming
	3	Objects-Classes
		VC++Components
3RDWeek of FEB	1	Resources
	2	EventHandling

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