

Lesson Plan July 2018

Name: Gagnesh Arora

Class: M.Sc 3rd Sem

Paper code: 17MCS23C2

Subject: VISUAL PROGRAMMING

21 July & 23 July to 28 July	Introduction to Visual Basic: VB IDE
30 July to 4 Aug	An overview of VB project types, VB as event-driven & object-based language, Default Controls in Tool Box: Label Box, Text Box, Command Button
6 Aug to 11 Aug	Picture & Image Box, Shape box, Timer, Option button, Check Box & Frames.
13 Aug to 18 Aug	Programming with VB: Variables, Constants, Data types, Variable Scope
20 Aug to 25 Aug	Arithmetic operations, String Operations, Built-in functions, I/O in VB
27 Aug to 1 Sep	Branching & Looping statements, Procedures, Arrays, Collection.
3 Sep to 8 Sep	Working with Forms: Working with multiple forms; Loading, Showing and Hiding forms; Creating Forms at Run Time
10 Sep to 15 Sep	Introduction to MDI forms.
17 Sep to 22 Sep	Dialog Boxes: Types of Dialog boxes, Working with Common Dialog Box.
24 Sep to 29 Sep	Menu Manipulation: Introduction to Menu Editor, Adding Menus and its manipulation: Modifying and Deleting Menu Items, Creating Submenus.
1 Oct to 6 Oct	Advanced Controls in VB: Introduction: Scroll Bar, Slider Control, Tree View
8 Oct to 13 Oct	List View, Rich Text Box Control, Toolbar, Status Bar, Progress Bar, Cool bar, Image List, Tab Strip
15 Oct to 20 Oct	Working with Graphics: Using Paint, Line, Circle, RGB and other related method, manipulating graphics.
22 Oct to 27 Oct	File Handling in VB: Creating a File, Saving and Opening files in Rich text box and Picture box
29 Oct to 3 Nov & 5 Nov	Handling file operations.
6 Nov to 13 Nov	(Vacation)
14 Nov 17 Nov	VB & Databases: The Data Controls and Data-Bound Controls; Using DAO, RDO, ADO.
19 Nov 21 Nov	ActiveX controls: Creating & Using ActiveX Controls, Creating & Using ActiveX Documents ActiveX EXE vs. ActiveX DLL, ActiveX EXE vs. ActiveX DLL

Lesson Plan July 2018

Name: Gagnesh Arora

Class: MCA 3rd Sem

Subject code: 17MCA33C5

Subject: OBJECT TECHNOLOGY

21 July & 23 July to 28 July	Object-Oriented Languages: Java's History, Creation of Java, Internet & Java, Byte-code, Its Features, Java Program Structure and Java's Class Library, Data Types, Variables, and Operators
30 July to 4 Aug	Operator Precedence; Selection Statements, Scope of Variable, Iterative Statement
6 Aug to 11 Aug	Defining Classes & Methods, Creating Objects of a Class, Defining and Using a Class
13 Aug to 18 Aug	Automatic Garbage Collection.
20 Aug to 25 Aug	Arrays and Strings: Arrays, Arrays of Characters, String Handling Using String Class, String Buffer Class.
27 Aug to 1 Sep	Classes and Inheritance: Using Existing Classes, Class Inheritance, Choosing Base Class
3 Sep to 8 Sep	Multiple Levels of Inheritance, Abstraction through Abstract Classes,
10 Sep to 15 Sep	Using Final Modifier, Packages: Understanding Packages, Defining a Package, Packaging up Your Classes, Adding Classes from a Package to Your Program
17 Sep to 22 Sep	Understanding CLASSPATH, Standard Packages, Access Protection in Packages, Concept of Interface.
24 Sep to 29 Sep	The concept of Exceptions, Types of Exceptions, Dealing with Exceptions, Exception Objects, Defining Your Own Exceptions.
1 Oct to 6 Oct	Multithreading Programming: The Java Thread Model, Understanding Threads, The Main Thread, Creating a Thread, Creating Multiple Threads, Thread Priorities, Synchronization
8 Oct to 13 Oct	Input/ Output in Java: I/O Basic, Byte and Character Structures, I/O Classes, Reading Console Input Writing Console Output
15 Oct to 20 Oct	Reading and Writing on Files, Random Access Files, Storing and Retrieving Objects from File, Stream Benefits.
22 Oct to 27 Oct	Creating Applets in Java: Applet Basics, Applet Architecture, Applet Life Cycle, Simple Applet Display Methods, HTML APPLET Tag Passing Parameters to Applets
29 Oct to 3 Nov & 5 Nov	Working with Windows: AWT Classes, Window Fundamentals, Working with Frame, Creating a Frame Window in an Applet; Displaying Information within a Window.
6 Nov to 13 Nov	<i>(Vacation)</i>
14 Nov 17 Nov	Working with Graphics and Texts: Working with Graphics, Working with Colour, Setting the Paint Mode, Working with Fonts Managing Text Output; Using Font Metrics Exploring Text and Graphics, Working with AWT Controls, Layout Managers and Menus.
19 Nov 21 Nov	Exploring Text and Graphics, Working with AWT Controls, Layout Managers and Menus.