

**COURSE PLAN**

<b>Session No</b>	<b>Topics to be covered</b>	<b>Teaching Methodology</b>
<b>UNIT - I</b>		
1	Subject Introduction and Syllabus Discussion	BB
2	Introduction to VB: Visual & non-visual programming	BB
3	Procedural, Object-oriented and Event driven programming languages	BB
4	The VB environment: IDE Components. Toolbox.	BB
5	Creating Controls - Name Property - Command Button	BB
6	Text Boxes - Labels, CheckBox, Radio Buttons, Timer Control	BB
7	Combo Buttons, Frame, Picture Box. Access Keys - Image Controls - Grid	BB
8	Various controls for I/O in VB, Message box	BB
9	Input Box, Print Statements	BB
10	Simple Example programs	BB
11	Editing Tools	LAB Demo, BB
12	String, Numbers.	BB
13	Revision of UNIT I	GD
<b>Unit Test - I</b>		
<b>UNIT - II</b>		
14	Basics of Programming: Variables	BB
15	Declaring variables, Types of variables, Converting variables types	BB
16	User-defined data types, Forcing variable declaration	BB
17	Data Conversion Function	BB

18	Scope & lifetime of Variables. Constants: Named & intrinsic.	BB
19	Operators: Arithmetic, Relational & Logical operators.	Seminar
20	Modules, String Functions. Font Style	BB
21	Revision Simple programs.	BB
22	Displaying Information. Determinate Loops : for loop	BB
23	Indeterminate Loops: while and do..while loops, Do Until-loop, While-wend, Exit statement	Seminar
24	Cont..., Looping. Revision	Oral Presentation
25	Conditionals Statements: If statement, If-then-else, Select-case	BB
26	Continues, Nested control structures.	BB
27	Procedures: General & event procedures, Subroutines	PPT
28	Functions, Calling procedures. Revision Simple Programs	PPT
29,30	Built in Functions	BB
31	Revision of UNIT II	GD
<b>CIA TEST - I</b>		
<b>UNIT - III</b>		
32	Arrays: Declaring and using arrays, Dim , ReDim & Preserve Statements	BB
33	One-dimensional and multi-dimensional arrays, Static & dynamic arrays, Arrays of array.	Seminar
34	Searching: Binary Search	BB
35	Sorting : Bubble Sort	BB
36	Ripple Sort, Shell Sort	BB
37	Selection Sort	BB
38	Control Arrays , Do Events and Sub Main	LAB Demo
39,40	Flex Grid Control	PPT

41	Projects with Multiple forms, Records	BB
42	Combo Boxes, Lists.	Seminar
43	Error Trapping/Handling	BB
44	Revision Of UNIT III	GD
<b>Unit Test - III</b>		
<b>UNIT - IV</b>		
45	VB Objects	BB
46	Menus - MDI Forms	LAB Demo
47	Common Dialog Boxes control	BB
48	Common Controls : Progress bar, Status bar, slider control,	LAB Demo
49	Common Controls :Tool bar control, Image List Control	LAB Demo
50	Common Controls : list view control, Tree View control	LAB Demo
51	Testing, Debugging Tool Bar and Optimization	BB
52	Revision Unit IV	GD
53	Working with Graphics: Graphics Methods, Properties, Line Control, Scale Properties	PPT
54	Pset Methods, Shape Control, Time Control	PPT
55	Revision of UNIT IV	Oral Presentation
<b>CIA TEST - II</b>		
<b>UNIT - V</b>		
56	Monitoring Mouse activity: Mouse Move, Drag and Drop	Seminar
57	File Handling	BB
58	File System Control, Objects: Sequential Access File	BB
59	Revision	GD
60	Random Access File.	BB

61	Accessing Binary File.	BB
62	DLL Servers	BB
63	OLE: Linking, Embedding, Concepts of OLE	PPT
64	Revision	GD
65	File System Control	Seminar
66	OLE Drag and Drop	PPT
67	Revision of UNIT V	Oral Presentation
<b>REVISION</b>		
68	Revision of UNIT I	BB
69	Revision of UNIT II	BB
70	Revision of UNIT III	BB
71	Revision of UNIT IV	BB
72	Revision of UNIT V	BB
<b>CIA TEST - III</b>		

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