Major Paper V : Visual Programming

Unit I

Introduction to Visual Basic – Integrated Development Environment (IDE) features – VB editor – customizing the IDE – anatomy of a form working with form properties – setting form's properties – introducing form events and form methods.

Unit II

Variables in Visual Basic : Declaring variables – Data types – Null value, Error value – Empty value – the scope of a variable – Module level variables – Constants – Creating your own constants – Scope of a constant – converting data types – Arrays – Declaring arrays – Fixed size arrays – Dynamic arrays – Preserve keyword – ReDim. Writing Code in Visual Basic – The anatomy of a procedure – Subroutine and functions – Language constructs – For.....Next, The While loop, Select case.....End select, Exit statement, With structure.

Unit III

Selecting and Using controls – Introduction to standard controls – command buttons – Text boxes – labels – Option buttons – Check boxes – Frame controls – List boxes – Combo boxes – Image objects – Picture boxes – Timer – Scroll bars – File system controls (Drive, DirList, File List boxes).

Unit IV

Introduction to Built-in ActiveX control – Tool bar – The Treeview control – The Listview control – the Imagelist control – Common Dialog Control – Status bar control – Rich textbox control – Menu editor.

Unit V

DDE properties – DDE Methods – OLE properties – Active Control Creation and Usage and ActiveX DLL creation and usage – Database access – Data Control – Field control – Data grid record set using SQL to manipulate data – Open Data Base Connectivity.

Text Books :

1. Mohammed Azam, Programming with Visual Basic 6.0 – Vikas Publishing House Pvt.Ltd - 2002.
2. Content Development Group, Visual Basic 6.0 – Tata McGraw Hill Publishing Company Limited – 2002.