

BACHELOR OF COMMERCE - FIFTH SEMESTER

VISUAL PROGRAMMING

Code: SC5.6

Contact Hours: 56

Credits: 4

Evaluation: Continuous Internal Assessment – **30 Marks**
Semester-End Examination – **70 Marks**

Univ Code:

Work load: **4 hours per week**

Objectives:

Pedagogy:

- Module 1: Introduction to Visual Basic:** What is programming? Using the Debug window. Leaving Run Mode, the print Command, the making of a basic command, doing arithmetic related Tools. Learning about Variable and Values: What are variables? Values and Types.
- Module 2: Drawings:** Drawing on the Screen, Drawing in a window, drawing and twips. A peek Objects and norms More Explorations in Drawing.
- Module 3: Programme Building:** Building Program, Building Your First Program, Building a Sketch program, the If Then Command, finishing Sketch, Adding a Menu Bar: Building a menu Bar, Completing the Menu bar, Pop-up Menus. Using Array Variables to Save: Designing a New Sketch, Array Variables, saving points in Sketch, Creating an EXE program, the final sketch program.
- Module 4: Designs:** Designing and Building Program: How to design programs designing the user interface building programs, what is good design? Building Address Book's Interface: Creating the controls, top, left, width, height, overview of controls and properties, bring address book to life, setting up the combo boxes. Reading Writing Address Book: Working with disk files, packaging data; user defined types, using on-line help, creating new subroutines.
- Module 5: Editing Tools:** Searching, Printing, Sorting, and Deleting: Searching, printing, Addresses, Sorting Addresses, Deleting Addresses Summary. Accessing Data: Data manager and Data Control; Creating your Addresses Book Database Creating a Form with Data Aware Controls, Creating the menu bar, Writing the Code Summary.

Recommended Books

1. Neol Jerke, The Complete Reference Visual Basic6, Tata McGraw Hill (1999).
2. Evangelas and Petroustos, Mastering VB 6, 1st Edition, BPB Publications (2001).
3. Mohammed Azam, Programming with Visual Basic 6.0, Vikas publishing (2001).
4. Bob, Richard and Wayne, Using Visual Basic 6, PHI (2000).

Practicals:

Practical: 2Hrs/Week

I.A Maximum Marks: 20

Practical assignments on VB involving:

Adding controls: Text Box, Labels, Pictures, Command buttons etc.

Designing Players and Recorders, Setting Form Controls.

Note: The Internal assessment marks (20 Max) shall be awarded by the concerned course teacher based on the two practical tests of 2 hours duration each conducted by him/her during the semester.