

Syllabus for B.Sc-IT Course at S.P. College, Srinagar

SEMESTER - VI

SUBJECT: VISUAL BASIC PROGRAMMING

COURSE CODE BIT- 603

UNIT-I

Introduction to visual basics: the visual basics program development process; the visual basic environment; opening a visual basic project; saving a visual basic project; running a visual basic project;
Visual basic fundamentals: Numeric constants; String constants; Variables; Data types & Data declarations; Operators and expressions; Hierarchy of operations; String expressions; Library functions; Relational operators and logical expressions; Logical operators;

UNIT-II

Branching with the if-then block; Branching with the if-then-else blocks; Selection: selection case; Looping with for-next; looping with do-loop; Looping with while-wend; visual basic control tools; Control tool categories; Working with controls; Naming forms and controls; Assigning property values to forms and controls; Executing commands(event procedures and command buttons);display output data(labels and text boxes); entering input data (text boxes); Selecting multiple features(check boxes); Selecting exclusive alternatives(option buttons and frames); assigning properties collectively (the with block); Generating error messages (the msg box function).

UNIT- III

Handling keyboard and mouse events, working with Timer and Timers, menu and dialog boxes: Building drop down menus, accessing a menu form the keyboard, menu enhancements, submenus, pop up menus .
Arrays: Array characteristics, array declarations, processing array elements, passing array to procedures, dynamic arrays, array-related functions, control array, Active X controls and their usage in VB projects.

UNIT- IV

Data Access using ADO: Connecting to database using ADOs, Retrieving data from data source, using basic SQL statements (statements of insertion, deletion, modification of records)
Packaging and deploying application: using packaging and deploying wizard to create setup.

Books Recommended:

1. Programming In Visual Basic 6, By Ivan Bayross
2. Visual Basic 6 from the Ground Up by Gary Cornell
3. Microsoft Visual Basic 6.0 Professional, by Michael Halverson (Microsoft Press)

Suggested Reading:

6. Visual Basic 6 Programming Black Book, By Steven Holzner
7. Peter Norton's Guide To Visual Basic 6.0, SAMS Publications

