PGD8

PGDCA–8

PROGRAMMING IN VISUAL BASIC

1. INTRODUCTION TO VISUAL BASIC

1.1 Windows and DOS

1.2 Hardware

1.3 Windows, Icons and Menus

1.4 Event Driven Programming

1.5 Terminology

1.6 The working Screen

1.7 Controls and Events

1.8 The Menu System

1.9 The Programming Language

2. DESIGNING AND CREATING PROGRAMS

2.1 Program Design

2.2 The launch Program

2.3 The form and the controls

2.4 Writing the Code

2.5 Save your work

2.6 Running and Testing

2.7 Making an EXE file

2.8 Printouts

3. PROGRAM FLOW

3.1 Logical testing

3.2 Branching with if

3.3 Select Case

3.4 Go To

3.5 For.. Next

3.6 Do Loops

3.7 While... Wend

4. INTERACTING WITH USER

4.1 Msg Boxes

4.2 The input box function

4.3 Scroll bars

4.4 Frames

4.5 Options

4.6 Check boxes

4.7 Menus

5. TESTING AND DEBUGGING

5.1 Errors and Error Spotting

5.2 Debugging Tools

5.3 Breakpoints and Watches

5.4 Keeping Watch

5.5 Stepping Through

5.6 Error-Trapping

6. GRAPHICS

6.1 Objects and Properties for Drawing

6.2 The Drawing Methods

6.3 Working with imported graphics
6.4 Animation

7. PROCEDURES, FUNCTIONS AND FORMS

7.1 Procedures and Functions
7.2 Creating a Procedure
7.3 Creating a function
7.4 Recursive functions
7.5 Multiple forms
7.6 Startup forms
7.7 starting from Sub Main
7.8 Transferring between forms
7.9 Procedures and Modules

8. ARRAYS

8.1 Dimensions, Elements and Subscripts
8.2 Arrays and Loops
8.3 Control Arrays
8.4 Creating a Control Array

9. SEQUENTIAL FILES

9.1 Saving Data to File
9.2 Basic Filing
9.3 Data Analysis and File
9.4 The extended text editor

10. RECORDS AND RANDOM ACCESS FILES

10.1 Record structures

10.2 Random Access Files

10.3 The staff database

10.4 Design and Coding

10.5 MDI Forms - Parent and Child

11. ACCESSING DATA -- DATA MANAGER AND DATA CONTROL

11.1 Creating database

11.2 What is database

11.3 Planning your database

11.4 Using the data manager

11.5 Adding an index

11.6 Using the Data Manager to enter data

11.7 Creating a form with data aware controls

11.8 What is a data control

11.9 What are data-aware controls

11.10 Creating the Menu Bar

Reference Book :

1. **PROGRAMMING IN VISUAL BASIC**

By MCBRIDE, B.P.B. Publications, New Delhi.