



Navodaya Computer Saksharta Mission®

A National Literacy Programme of Information Technology & Skill Development



Member of
Quality Council of India
Computer Society of India

AN ISO 9001 : 2008 CERTIFIED ORGANIZATION

An Autonomous Institution Registered Under Planning Commission-Trust & Societies Act, NCT New Delhi
RJ 2013/00056856, Section 60 (B) 4 VOL 2901/1878 Act, 1882 & ROS/North/091/2010 Act, 1860
Ministry of HRD (Department of Higher Education) Courses Registered Under CR Act

Government of India

Appreciated by

President | Prime Minister | Vice-President
FMO | MHA | MHRD | MCIT | MSME | MSJE | MCA | MMA | CM | Governer

CC-VB

Certificate Course in Visual Basic

COURSE CODE : CC-03

COURSE CONTENT & SYLLABUS

H.O. : 3-KHA-4, Sector 3, Vigyan Nagar, Kota-324005, (Rajasthan) India

Tel.: 0744-2412009 Fax: 0744-2411150 Mob. +91 94629 67201

visit us : www.navodayaindia.in | www.ncsm.in | E-mail : contact@ncsm.in, info@ncsm.in



CC-VB

Certificate Course in Visual Basic

COURSE CONTENTS

COURSE CODE – CC-03

ELIGIBILITY : 12TH CLASS & ABOVE

DURATION : 3 MONTH

MODULE – 1

MODULE SUBJECT

VISUAL BASIC

SUBJECT CODE – NVB

FUNDAMENTAL OF VISUAL BASIC

VISUAL BASIC

ELEMENT OF VISUAL BASIC

PROGRAMMING STATEMENTS

ARRAY N PROCEDURES

CREATION OF PROJECT

ACTIVE X CONTROLS

WORKING WITH FORM

WORKING WITH GRAPHICS

DATABASE PROGRAMMING WITH VISUAL BASIC

CC-VB

Certificate Course in Visual Basic

COURSE SYLLABUS

VISUAL BASIC

A. FUNDAMENTAL OF VISUAL BASIC

- A-1 INTRODUCTION OF VISUAL BASIC
- A-2 GETTING START WITH VISUAL BASIC
- A-3 LOADING PROCESS OF VISUAL BASIC
- A-4 INTRODUCTION OF INTEGRATED DEVELOPMENT ENVIRONMENT
- A-5 FEATURES OF VISUAL BASIC
- A-6 ELEMENTS OF VISUAL BASIC
- A-7 INTRODUCTION OF TOOL BAR
- A-8 INTRODUCTION OF DIFFERENT WINDOWS OF VISUAL BASIC
- A-9 THE APPLICATION WIZARD

B. ELEMENT OF VISUAL BASIC

- B-1 INTRODUCTION OF DATA TYPES
- B-2 INTRODUCTION OF TYPE STATEMENTS
- B-3 INTRODUCTION N DECLARATION OF VARIABLE
- B-4 INTRODUCTION OF SCOPE N LIFE TIME OF A VARIABLE
- B-5 INTRODUCTION OF CONSTANTS

C. PROGRAMMING STATEMENTS

- C-1 INTRODUCTION OF OPERATORS
- C-2 TYPES OF OPERATORS
- C-3 INTRODUCTION OF AN ARITHMETIC OPERATOR
- C-4 FORM N CODING OF AN ARITHMETIC OPERATOR
- C-5 INTRODUCTION FORM N CODING OF COMPARISON OPERATOR
- C-6 INTRODUCTION FORM N CODING OF LOGICAL OPERATOR
- C-7 INTRODUCTION OF CONTROL STRUCTURE
- C-8 INTRODUCTION SYNTAX N CODING OF IF THEN END IF
- C-9 INTRODUCTION SYNTAX N CODING OF IF THEN ELSE END IF
- C-10 INTRODUCTION SYNTAX N CODING OF SELECT CASE
- C-11 INTRODUCTION SYNTAX N CODING OF LOOPING STATEMENT
- C-12 INTRODUCTION OF INPUT/OUTPUT BOX

D. ARRAY N PROCEDURES

- D-1 INTRODUCTION OF ARRAY
- D-2 DECLARATION OF ARRAY
- D-3 TYPES OF ARRAY
- D-4 INTRODUCTION N EXAMPLE OF SINGLE DIMENSIONAL ARRAY

CERTIFICATE COURSE IN VISUAL BASIC

- D-5 INTRODUCTION N EXAMPLE OF MULTI DIMENSIONAL ARRAY
- D-6 INTRODUCTION OF DYNAMIC ARRAY
- D-7 INTRODUCTION OF SORTING
- D-8 INTRODUCTION OF CONTROL ARRAY
- D-9 INTRODUCTION OF COLLECTION
- D-10 INTRODUCTION OF PROCEDURES
- D-11 ADVANTAGES OF PROCEDURES
- D-12 TYPES OF PROCEDURES
- D-13 INTRODUCTION OF SUB N FUNCTION PROCEDURES
- D-14 INTRODUCTION OF SUB ROUTINE
- D-15 CODING RELATED PROCEDURES

E. CREATION OF PROJECT

- E-1 INTRODUCTION OF PROJECT
- E-2 ELEMENTS OF PROJECT
- E-3 CREATION RENAMING & SAVING OF PROJECT
- E-4 CREATION OF USER INTERFACE
- E-5 ELEMENTS OF USER INTERFACE
- E-6 INTRODUCTION OF FILE SYSTEM CONTROLS
- E-7 DESIGNING THE USER INTERFACE
- E-8 CREATION AN APPLICATION
- E-9 INTRODUCTION OF EVENT DRIVEN PROGRAMMING & COMMON PROPERTIES, METHODS & EVENTS OF VISUAL BASIC

F. ACTIVE X CONTROLS

- F-1 INTRODUCTION OF BASIC ACTIVE X CONTROLS
- F-2 INTRODUCTION & PROPERTIES OF TEXT BOX
- F-3 INTRODUCTION, METHODS & PROPERTIES OF LIST BOX
- F-4 INTRODUCTION, METHODS & PROPERTIES OF COMBO BOX
- F-5 INTRODUCTION, METHODS & PROPERTIES OF SCROLL BAR
- F-6 INTRODUCTION, METHODS & PROPERTIES OF LABEL
- F-7 INTRODUCTION, METHODS & PROPERTIES OF COMMAND BUTTON
- F-8 INTRODUCTION OF GROUPING CONTROLS
- F-9 INTRODUCTION & PROPERTIES OF OPTION BUTTON
- F-10 INTRODUCTION & PROPERTIES OF FRAME CONTROLS
- F-11 INTRODUCTION & PROPERTIES OF CHECK CONTROLS
- F-12 INTRODUCTION & PROPERTIES OF LINE TOOLS
- F-13 INTRODUCTION & PROPERTIES OF SHAPE TOOLS
- F-14 INTRODUCTION & PROPERTIES OF PICTURE BOX
- F-15 INTRODUCTION & PROPERTIES OF IMAGE BOX
- F-16 INTRODUCTION & PROPERTIES OF COMMON DIALOGS
- F-17 INTRODUCTION & PROPERTIES OF COLOR DIALOG BOX
- F-18 INTRODUCTION & PROPERTIES OF FONT DIALOG BOX
- F-19 INTRODUCTION & PROPERTIES OF OPEN & SAVE DIALOG BOX
- F-20 INTRODUCTION & PROPERTIES OF PRINT, HELP & IMAGE LIST CONTROL
- F-21 INTRODUCTION & PROPERTIES OF TREE VIEW & LIST VIEW CONTROL

G. WORKING WITH FORM

- G-1 INTRODUCTION OF FORMS
- G-2 APPEARANCE OF FORMS
- G-3 INTRODUCTION OF FORM PROPERTIES, METHODS, EVENTS
- G-4 INTRODUCTION OF MENUS
- G-5 DESIGNING MENU USING MENU EDITOR
- G-6 ADDING SUB MENU & NESTED MENU
- G-7 INTRODUCTION OF ACCESS & SHORTCUT KEYS
- G-8 CONNECTING MENUS TO EVENT PROCEDURES

H. WORKING WITH GRAPHICS

- H-1 INTRODUCTION OF GRAPHICS
- H-2 TYPES OF GRAPHIC
- H-3 INTRODUCTION OF GRAPHIC CONTROLS
- H-4 INTRODUCTION OF LOOPING & SAVING IMAGES
- H-5 EXCHANGE IMAGE THROUGH CLIP BOARD
- H-6 INTRODUCTION OF CO-ORDINATE SYSTEM
- H-7 INTRODUCTION OF WIDTH & HEIGHT PROPERTY
- H-8 INTRODUCTION OF GRAPHICS METHODS
- H-9 INTRODUCTION OF ERROR HANDLING
- H-10 TYPES OF ERROR
- H-11 CREATION OF MDI FORMS
- H-12 INTRODUCTION OF ERROR HANDLER

I. DATABASE PROGRAMMING WITH VISUAL BASIC

- I-1 INTRODUCTION OF DATABASE PROGRAMMING
- I-2 DESIGNING A DATABASE
- I-3 OBJECTIVES OF DATABASE DESIGN
- I-4 ORGANISING THE DATA
- I-5 INTRODUCTION OF TABLES, VISUAL DATA MANAGER & CREATING A DATABASE FILE
- I-6 INTRODUCTION OF DATA CONTROL
- I-7 ADDING DATA CONTROL TO THE FORM
- I-8 SELECTING A DATABASE & RECORDSET
- I-9 INTRODUCTION OF BOUND CONTROLS
- I-10 ADDING BOUND CONTROLS TO A FORM
- I-11 USING BOUND CONTROL TO DISPLAY DATA
- I-12 INTRODUCTION OF DATA ACCESS OBJECT
- I-13 ADDING DAO TO PROJECT
- I-14 WORKING WITH ODBC
- I-15 WORKING WITH ODBC DRIVERS, SETTING AN ODBC DATA SOURCE ACCESS ODBC DRIVERS
- I-16 CREATING AN ODBC SOURCES
- I-17 INTRODUCTION OF ACTIVE X OBJECTS
- I-18 INTRODUCTION OF DATA CONNECTION METHODS
- I-19 ADDING ADO WITH PROJECT
- I-20 INTRODUCTION OF ADO DATA CONTROL