



BOOK

Visual Programming

DCSA 1304

**Bangladesh Open University
School of Science and Technology**

School of Science and Technology

Visual Programming

DCSA 1304

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Preface to the Edition

The course Visual Programming is including in the syllabus of Diploma in Computer Science and Application program to familiar a learner with Visual Basic. The book is written according to approved syllabus of the course and commonwealth of learning (COL) Template is used for writing the manuscript. The basic aspects of Visual Programming are presented. Intrinsic controls, managing of data, variables, functions, conditional statements, crystal report are discussed. Besides of this visual development of graphical user interface that are easy to use and easy to learn for a programmer has been included in the book.

The book is organized into 8 units. The coverage is modular in the sense that certain unit or group of units is self-sufficient. At the end of each lesson, there are activity, exercise and hands on practices for preparation of examination. We hope that COL Template used in the process of writing texts, the lessons could be more organized and learners can be more skilled and benefited.

Suggestions for further improvement will be highly appreciated.

Dean

**School of Science and Technology
Bangladesh Open University**



About this Book

This book is a Self learning Materials (SLMs) written for distance learners. The book contains forty five lessons and has been produced by School of Science and Technology, Bangladesh Open University

How this Book is structured

The course overview

The course overview gives you a general introduction to the course. Information contained in the course overview will help you determine:

If the course is suitable for you.

What you will already need to know.

What you can expect from the course.

How much time you will need to invest to complete the course.

The overview also provides guidance on:

Study skills.

Where to get help.

Course assignments and assessments.

Activity icons.

Units.

We strongly recommend that you read the overview *carefully* before starting your study.



The course content

The course is broken down into units. Each unit comprises:

An introduction to the unit content.

Unit Objectives

Unit outcomes.

New terminology.

Core content of the unit with a variety of learning activities.

A unit summary.

Assignments and/or assessments, as applicable.

Answers to Assignment and/or assessment, as applicable

Resources

For those interested in learning more on this subject, we provide you with a list of additional resources at the end of this book; these may be books, articles or web sites.

Your comments

After completing Visual Programming we would appreciate it if you would take a few moments to give us your feedback on any aspect of this course. Your feedback might include comments on:

Course content and structure.

Course reading materials and resources.

Course assignments.

Course assessments.

Course duration.

Course support (assigned tutors, technical help, etc.)

Your constructive feedback will help us to improve and enhance this course.



Course overview

Visual Programming

Course Code: DCSA1304

Credit hour: 3 hours

Course outcomes



Outcomes

Upon completion of Visual programming you will be able to:

Install Visual Studio 2008.

Design Form.

Use Intrinsic controls.

Use Loop statement.

Use Function.

Generate Report using Crystal Report.

Timeframe



How long?

This course will take approximately 20 weeks of study time.



Need help?



Help

1. The tutor at your study center.
2. Mohammad Mamunur Rashid
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School of Science and Technology
Bangladesh Open University
Gazipur-1705
e-mail: mamunbou@gmail.com
Mobile:01716-115139

Assignments



Assignments

There are Two (2) assignments for this course.

Assignments should be submitted to your course tutor.

Schedule for submitting assignments:

First one during the middle of semester and another one is the last tutorial sessions of the semester.

Assessments



Assessments

Assessment will be followed in this course are -

Assignment 1	5%
Assignment 2	5%
Semester Final Examination	70%
Practical Examination	20%

Getting around this book
























Margin icons

While working through this book you will notice the frequent use of margin icons. These icons serve to “signpost” a particular piece of text, a



new task or change in activity; they have been included to help you to find your way around this book.

A complete icon set is shown below. We suggest that you familiarize yourself with the icons and their meaning before starting your study.

 Activity	 Assessment	 Assignment	 Case study
 Discussion	 Group activity	 Help	 Note it!
 Outcomes	 Reading	 Reflection	 Study skills
 Summary	 Terminology	 Time	 Tip
 Computer-Based Learning	 Audio	 Video	 Feedback
 Objectives	 Basic Competence	 Answers to Assessments	