

0944 -DIPLOMA IN INFORMATION TECHNOLOGY & ENGINEERING
SEMESTER -I
094462 (c) VISUAL C++
(Common with Computer Engineering)

RATIONALE

Visual programming is the programming technique to make the task easy. This type of programming has become very helpful for designing widow based application. This subject will give the student in depth understanding of the function used in visual C++

DETAILED CONTENTS

1. Visual C++

VC++ developer studio, VC++ Runtime library, VC++ MFC and template libraries, VC++ Building tool, Active X

2. C++ Classes

Class creation, accessing class members, encapsulation, constructor, destructors

3. Deriving C++ Classes

Class derivation, constructor for derived classes, creation of numbers of classes, managing classes, using class view, overloading operation, C++ template, exception handling in C++

4. Windows GUI programming with MFC library

Creation and building the programs, source code generation, building and running program, adding message handling function, adding menu commands, adding tool bar and status bar, scrolling and splitting views

5. Dialog Boxes

Dialog boxes, design of dialog boxes, creating classes to manage dialog boxes, defining message handler

6. Dialog Based Application

Creation of a simple dialog based application, multiple document interface

INSTRUCTIONAL STRATEGY

This subject is a practice based, so the emphasis may be given to practical exercises of visual C++ during the course of the study which in turn will reinforce the understanding of the subject.

RECOMMENDED BOOKS

1. Master Visual C++ by Michal J Young; BPB Publication, Delhi
2. Visual C++ by Davis Chapman, SAMS, Tech Media Publication, Delhi
3. Visual C++ Programming by Stene Holzmer; Pustak Mahal, IDG Books, Delhi