

Visual Programming (IT-5004)

Course Code	IT-5004	Credits-4	L – 3, T-1, P-0
Name of the Course	Visual Programming		
Lectures to be delivered	52 (1 Hr Each) (L= 39, T = 13 for each semester)		
Semester End Examination	<i>Max. Marks: 100</i>	<i>Min. Pass Marks: 40</i>	Maximum Time: 3hrs
Continuous Assessment (based on sessional tests (2) 50%, Tutorials/Assignments 30%, Quiz/Seminar 10%, Attendance 10%)			<i>Max. Marks: 50</i>

Instructions

1. **For Paper Setters:** The question paper will consist of five sections A, B, C, D, and E. Section E will be Compulsory, it will consist of a single question with 10-20 subparts of short answer type, which will cover the entire syllabus and will carry 40% of the total marks of the semester end examination for the course. Section A, B, C and D will have two questions from the respective sections of the syllabus and each question will carry 15% of the total marks of the semester end examination for the course.
2. **For Candidates:** Candidates are required to attempt five questions in all selecting one question from each of the sections A, B, C and D of the question paper and all the subparts of the questions in section E. Use of non-programmable calculators is allowed.

Section – A

VB environment, Properties, Methods, use of object browser, Basic Programming convention in VB, Menu and Tool bars and Programming fundamentals, flow control statements. Dialog control, Ms Common control, MDI, Control array.

Section – B

VB Design elements, concept of classes in VB Procedures and function in VB, file handling, shell Programming, OLE, Active X in VB, win 32 API in VB and API viewer.

Section – C

Sql query processing and Data base basics, Data Control and Data bound control, DAO and ADO, creating reports in VB, Data aware classes, Active x environment, packaging and deployment in VB.

Section – D

Advance VB (Developing Add in VB) CDO and MAP1 Programming, Advance ADO Techniques, VB Script, and ASP in VB, VB and Internet programming.

Books:

1. Brian Siler and Jeff spots: Using Visual basic6, by (Pub. PHI)
2. Professional Visual basic 6 Database programming by wdox Publishers.
3. O' Reilly:Developing Visual Basic Add – ins by Romen Pub.
4. Win 32 API Programming with Visual basic by Roman Pub. O'Reilly.
5. Visual Basic Shell Programming by Hamilton Pub. O'reilly
6. CDO and MAP1 Programming in Visual basic by Grundgeiger Pub. O'Reilly.
7. Visual Basic Oracle 8 Programmer's reference by Tretsch Pub. O'Reilly.
8. Visual basic 6.0 business Objects by Lhotka Pub O'reilly.
9. VB. Com: Visual basic 6 Progrmmer's intro to Com by Lewis Pub. O'Reilly.
10. Professional VB6 Application Development Pub wrox.