C. U. Shah University, Wadhwan City
Faculty of Computer Science
Name of Program: Bachelor of Science (Information Technology)
Semester : I
W.e.f June-2014
Teaching & Evaluation Scheme

Sr. No	Subject Code	Subject Name	Teaching Hours/Week				Credits	Evaluation Scheme/Semester							Total Marks
								Theory				Practical			
			Th	Tu	Pr	Total		Sessional Exam		University Exam		Internal		Uni.	
								Marks	Hrs	Marks	Hrs	Pr	TW	Pr	
5	4CS01IVB1	Programming with Visual Basic	4	-	-	4	4	30	1.5	70	3	-	-	-	100

Objectives: To impart knowledge of event driven programming using different controls in VB.

Pre-requisites: Basic knowledge of computer and GUI.

Ch. No.	Chapter Name	Chapter Topics	Total Hrs
1	Introduction	Getting acquainted to VB Environment, Form (Design and Code Window), VB As Event Driven Programming	03
		Common Properties, Common Methods and Events, VB As IDE	
2	Controls	Text Box, Label, Command Button, Option Button, Check Box, Frame, Horizontal – Vertical Scroll Bar, Combo Box, List Box, Timer, Shape, Line, Drive List Box, Directory List Box, File List Box, Picture Box, Image Box, Status Bar, Progress Bar	11
3	Variable, Operator, Decision Making, Looping And Array	Data types, Declaration of Variables, Scope and Lifetime of Variables (Local, Form, Module, Global Variable), Converting Variable Type, Constant, Operator (Arithmetic, Relational, Logical), Control Flow Statement, Looping Statement, Array (1D, 2D, 3D), Static And Dynamic Array, Control Array	10
4	Procedure and Function	Creating Procedure and Function, Concept of ByRef and ByVal, Concept of Public and Private Scope	3
5	Advanced Control	Common Dialogs Control, Tree View and List View, RichTextBox, MSFlexGrid	4
6	MDI and Menu Editor	Parent & Child Form Concept using MDI Form, MDI V/S SDI, Menu Editor	3
7	Database Programming	Introduction to ADO Control, Bounded & Unbounded Connectivity, Create Project with facilities like ADD, DELETE, EDIT, SEARCH using DataList, DataCombo, and DataGrid Controls	10
8	Library Function	Array(), IsArray(), Asc(), Chr(), InStr(), Day(),Format(), Date(),DateDiff(), IsNull(), IsNumeric(), Join(), LCase(),Len(), LoadPicture(), LTrim(), RTrim(), Mid(),Now(), Replace(), RGB(), Right(),Left(),Rnd(), Split(), Sqr(), Str(), UCase(), Var()	5
9	File Handling in VB	Opening and Closing File, Reading and Writing Records into File	3
10	Report	Data Report, Crystal Report	3
		Total ::	55

Teaching Methodology:

Revision, Paper Solving, Seminar, Expert Talk, MCQ Quiz, Viva Test, Programming Test

Learning Outcome:

At the end of the syllabus, students should have in-depth knowledge of programming basics, GUI and Event driven programming, Control Structures, Arrays, Functions, Procedure, Advanced Controls, MDI, Database Connectivity, Crystal report etc..

Books Recommended:

1. "Mastering Visual Basic 6" , Sybex Publication, By Evagelous Petroutos, ISBN 0782126642, 9780782126648
2. "Programming in Visual Basic 6.0", Irwin/McGraw-Hill Publication, By Julia Bradley, ISBN 0072335130, 9780072335132

Reference Books:

1. "Visual Basic 6 Black Book", The Coriolis Group, By Steven Holtzner, ISBN 1576102831
2. "The Complete Reference VB6", TMH Publication, By Noel Jerke
3. "VB6 Unleashed" , Sam's Tech Media, by Rob Thayer