CLUSTER UNIVERSITY SRINAGAR

COMPUTER APPLICATIONS

BG - 6TH Semester

VISUAL BASICS.NET

Unit I

Windows Programming using VB .Net

Introduction to .Net Technology, Why .Net?, The .Net Framework, Base Class Library, Common Language Runtime (CLR). Common Type System.

Executing Net Application: Microsoft Intermediate Language (MSIL), JIT.

Unit II

Windows Form Introduction to Class Libraries, Event and Event Handlers, Windows Application, Windows GUI, First Win Forms Application, Controls, Text controls, Selection List Controls, VB.Net is overridden, Some controls with examples.

Error handling In Windows Forms: Types of Validations, Types of Errors, Exceptions, Classified Runtime based Exceptions. SDI and MDI Applications: SDI and MDI interfaces, Characteristics of MDI components, Creating MDI Forms.

Unit III

The Visual Basic.Net Language VB Net Data types. Operators, Decision Statements- If then, If then, else, Select., Case, Loop Statements- While, Do ., Loop, For ., Next, For Each ., Next, Arrays.

OOP using VB.Net Object Oriented features- Abstraction, Encapsulation, Polymorphism, Inheritance, Declaring Classes, Implementing Typecasting, Procedures and Functions, Optional arguments, Error handling in Procedures, Properties, Public and Private variables, Types of Properties, Polymorphism, Inheritance, Method Overriding.

Unit IV

Data access with ADO.Net Overview of Microsoft Database Access Technology, ADO.Net, Creating a Database, ADO.Net Architecture, ADO.Net Class Libraries, Databound Controls, Creating a Data Set, Using XMI, Data

Reference Books

Visual Basic Net Programming, Black Book, Steven Holzner

Mastering Visual Basic Net, Evan Gelas Petraitsas

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