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| **Day** | **Description** | **Details** |
| **Day 1** | Introduction | * Session’s Objective * Why vb.net? * Framework * Why Us * Visual Studio IDE |
| **Day 2** | Desktop Application | * Application Framework * Forms, Naming Rules * Controls, Menus, Components * Project Properties * References |
| **Day 3** | .Net Programming 1 | * Error Handling * Function Vs Sub * String Functions * Date Functions * Events |
| **Day 4** | .Net Programming 2 | * Loops * Decision Making * Operators * Extension |
| **Day 5** | .Net Programming 3 | * File management * Access Modifiers * Value Type Vs reference Type * Class * User Event’s |
| **Day 6** | OOPS & SOLID standard’s Basic | * Namespace * Class * Object * Inheritance * Interface * Overriding * Overloading |
| **Day 7** | Jilaba Utilities &Layers | * Sql Action * User Controls * Why Return Status * Layers (Interactive, Logic ,Data) * Jilaba Validation |
| **Day 8** | Sql DB Manipulation & OOAD | * System.Data * Master * Transaction * OOAD Visual * OOAD Vs OOPS |
| **Day 9** | Reporting & Data Export | * RDLC * Printing * Excel Posting * CSV * Open Office |
| **Day 10** | User defined Controls & Dynamic Linking Library | * Control Creation * Dlls * Usage * Extension Attribute * Runtime Assembly Creation |
| **Day 11** | Sql Advanced Programming | * User Defined Table Types * Table Valued Functions * Scalar Valued Functions * Bulk Insert * Server to server Data Comparison |
| **Day 12** | Email & Thread | * Send Email Using SMTP * Thread |
| **Day 13** | Project X | * Runtime Error * Bug * Logic flaw * Option enhancement |

**Assignment**

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| **Days** | **Project Name** | **Description** | **Scenario** |
| Day 1 | ProjIntroduction | Introduction | * Document for Visual Studio Short keys , Explorers, Tool Bars * How to change projects Framework & problem of changing. * Why we use VB.Net? |
| Day 2 | ProjDesktopApplication | Desktop Application | * Create a project handle *all application events*. * Create a calculator form => *look like windows standard calculator* * Controls : *Button , Label , Textbox, Table Layout Panel, Menu Strip, Tooltip* |
| Day 3 | ProjNetProgramming1 | .Net Programming 1 | * Create a form for String manipulation & it should assure all string functions application , All functions return type should be string , Error Handling * Create a form for date function manipulation, declare all Date functions = > return type Object, Input from date time picker control * Form events Key preview, Key down to the above. |
| Day 4 | ProjNetProgramming2 | .Net Programming 2 | * Create form , Function reverse function **ReverseMe** (*ValuetoRvsr as string* )> don’t use string reverse function , Function **WhoIslarger**(*Numbers() as Integer*) as Integer,Function **GiveMyCharSet**(*Asciis() as Integer*) as string * Add **ModExtension**, Create extensions as below **AmiZero** (*Value as integer*) as Boolean, **isMyLengthisThree** (*Value as String*) as Boolean, **IsToday**(*Value as date*) as Boolean, **AmIMatchwithServer**(*Value as date*), **IsMyLengthn**(*Value as string, n as Integer*) as Boolean |