



WILLPOWER

Technologies

[MICROSOFT.NET COURSE CONTENTS](#)

Introduction to .NET Framework

- .NET Framework
- Overview
- CLR,CLS
- MSIL
- Assemblies
- Namespaces
- .NET Languages
- DLL's(Vs)Exe's

Basics:

- Getting Started
- Using Variables and Arrays
- Methods and Parameters
- Decision Structures and Loops
- Handling Errors and Exceptions

OBJECT ORIENTED PROGRAMMING

- Classes, structures and enums
- Encapsulation
- Constructors
- Properties
- Inheritance
 - Shadows (new methods)
 - Overriding
- Method Overloading
- **this** and base Keyword
- Sealed classes
- Interfaces, Abstract Classes
- Working with Delegates
- Designing and Implementing Events
- C#.NET Application Architecture

- **Solution, Projects**
- **Compiling, Debugging and Running in IDE**

INTRODUCTION TO GUI PROGRAMMING

- **System.Windows.Forms Assembly**
- **System. Drawing**
- **The Form Class**
- **Win Forms**
- **Visual Inheritance**
- **Control Programming**
- **User Controls**

WORKING WITH COLLECTIONS, IO

System.IO

- **Readers and Writers**
- **Streams**

System. Collections

- **Hashtable**
- **Array List**

SERIALIZATION

Formatters

- **Binary Serialization**
- **Formatters, Binary Formatter**
- **SOAP Serialization**
- **XML Serialization**

ADO.NET I:

- **Introduction**
- **Architecture**
- **System.Data.Dll**
- **System.Data.OleDb**
- **System.Data.SqlClient**
- **Data Readers**
- **Command Object**
- **Transaction Programming**
- **Procedure Execution (PL/SQL)**

ADO.NET II: Data Adapters and Datasets

- **Data Tables**
- **Data Relations**
- **Data Views**
- **Maintaining Versions in Data Tables**
- **Updating Datasets....**

ASSEMBLIES

- Strong Names
- GAC
- Private and Shared Assemblies
- SFA
- MFA

MULTITHREADING

- Threading Introduction
- System.Threading Namespaces
- Thread Members
- Thread States

GUI PROGRAMMING

CRYSTAL REPORTS WITH .NET

ASP.NET and XML

ASP.NET

- Basics
- Web Programming
- HTML, DHTML
- JavaScript
- IIS
- ASP

ASP.NET INTRODUCTION

- Difference Between ASP and ASP.NET
- Architecture
- Code Render Blocks
- Code Behind Pages
- Server Controls
- Page Basics, Page lifecycle
- Post back Request
- View State, Directives

PROGRAMMING WITH SERVER CONTROLS

- Html Server Controls
- Web Server Controls
- Basics Web Controls

- **List Controls, Data Controls**
- **Adv Controls, User Controls**

CUSTOM CONTROL Development

ADO.NET PROGRAMMING

- **Architecture**
- **Data Readers and Datasets**
- **Command Object**
- **Transaction Programming**
- **Procedure Execution**
- **Data Adapter and Data Set**
- **Data Tables**
- **Data Relation**
- **Data Views**
- **Updating Datasets**

ADO.NET AND ASP.NET

- **Working with Data Controls**
- **Data Grid**
 - Updates**
 - Sorting in Data Grid**
 - Paging in Data Grid**
- **Data List**
- **Data Repeater**
- **Crystal Reports in ASP.NET**

XML PROGRAMMING

XML

- **DTDs**
- **Schemas**
- **XML Name Spaces**
- **XPath**
- **Parsers**
- **DOM Model**
- **XML Programming in .Net**
- **XML Readers**
- **XML Serialization**

WEB SERVICES

- **Architecture**
- **WSDL, SOAP, UDDI**
- **Publishing and Consuming Web Services**
- **Asynchronous Communication with Web Services**

- **Web Client**
- **Windows Client**
- **Security in Web Services**

STATE MANAGEMENT WITH ASP.NET

- **View State**
- **Cookie State**
- **Session State**
- **Application State**

ASP .NET APPLICATION TUNING

- **Application Configuration**
- **App Setting**
- **Error Handling**
- **Application and Global. SAX**

CACHING

- **Page Caching**
- **Page fragmentation Caching**
- **Data Caching**

SECURITY

- **Windows Authentications**
- **Forms Authentications**
- **PassPort Authentications**

Duration: 2Months

Faculty: Kiran
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Fee: 4000/-

- **CLASS ROOM SESSIONS**
- **GROUP DISCUSSIONS**
- **COMMUNICATIONS&PERSONALITY DEVELOPMENT**