.Net and Advance .Net

SYLLABUS

COVERAGE

Console Application
- NER Framework
- Over view of OOPS
- Language Fundamentals
- Arrays And Procedures
- Classes and Objects
- Inheritance/Polymorphism
- Delegate
- System Defined Function
- SQL Server
- Data structure
- ADO.NET Objects
- The Data adapter object
- The data reader object
- The dataset object
- Navigating through dataset
- Updating your database by using datasets
- Managing concurrency ADO.net objects to retrieve LINQ
- Threading
- Exception handling

Windows Application
- Tools and Controls
- Threading
- Exception handling
- Event Handling
- MDI and SDI
- Graphics
- Advanced Controls

- Crystal reports
- ADO.NET Objects
- The Data adapter object
- The data reader object
- The dataset object
- Navigating through dataset
- Updating your database by using datasets
- Managing concurrency ADO.net objects to retrieve
- I/O Operation
- LINQ

Web Application
- IIS Server
- Introduction to ASP
- Web Controls
- Web application with ASP.net
- State Management
- XML
- Web service
- Ajax and Javascript
- Security
- LINQ
- WPF
- WCF
- Silverlight
- MVC
- CSS
- Deployment

SYLLABUS IN DETAILS

.NET Framework
- Architecture & its details
- Comparison between Java & .net

Over view of OOPS
- Introduction to Object
- Concept of class, Abstract class
- Data Encapsulation
- Comparison between Java & C++
- Function Template, method
- overloading and overriding

Language Fundamentals
- How to write a .net program
- examples with practical variable,
- Constants

Arrays And Procedures
- Variables
- Constants
- examples with practical
- programming with practical

Classes and Objects
- Components of class
- Procedures, functions
- system defined functions
- Constructors

Inheritance/Polymorphism
- Over loading, overriding
- Inheritance restrictions
- Types of inheritance

Delegate
- what is Delegate
- system defined functions

Windows Applications
- Windows form Designer
- The controls collection
- multiple form application
- menus
- MDI applications

Tools and Controls
- All kinds of controls and its uses
- practice

Threading
- Multitasking, Understand Multithreading, creating Threading
- implementing a runnable interface

Exception handling
- The cause of Exception and its remedies
- Types of exceptions
- Implementation of Exception
- Types of Errors
- debugging
- Throwing your own exceptions

Event Handling
- Event Handlers-1

Graphics and UI
- Comparative study of SDI,MDI

SQL
- starting with SQL 2010
- Implementing data integrity & Maintaining databases
- T-SQL
- Statement Procedure, Trigger
- Grouping Results
- Joins
- How to take back up and its details
- Fundamentals of database design
- database objects
- Stored procedures
- Normalization rules
- joins, constraints

Advanced Controls
- Tree View, Menu strip, context menu strip

Crystal reports
- Report creation
- Design the report& print Report

ADO.NET Objects
- Dataadapter,Datatable
- The datareader object
- Dataset,Command object
- Navigating through dataset

The Dataadapter object
- The Dataadapter object

The datareader object
- The datareader object

The dataset object
- The dataset object

Navigating through dataset
- Navigating through dataset

Updating your database by using datasets
- Updating your database by using datasets

Managing concurrency ADO.net objects to retrieve
- Managing concurrency ADO.net objects to retrieve

IIS Server
- Web Server mechanisms

Introduction to ASP
- What is ASP.net?
- Need of ASP.net.
- What does asp.net do?
- fundamentals of ASP.net.
- Creating your 1st application

Web Controls
- Controls with server side objects
- Code behind programming
- Program/form Layout

Web application with ASP.net
- Coding ASP.net pages
- Inline login project
- Testing the login project
- code behind web forms
- data input with asp.net
- accessing data in asp.net
- connecting to database
- Running data in asp.net

State Management
- Working with Cookies, Caching
- Cache Dependancy

XML
- Working with XML Tag
- Adrotator
- Converting XML to Dataset and Dataset to Xml with example

Web service
- Working with web service

Ajax and Javascript
- Working with ajax & Jscript & HTML

Security
- web.config and machine.config

LINQ
- LINQ Introduction and implemantation
- Database connection using LINQ

WPF
- Introduction
- Controls and form design and implementation

WCF
- different Services

Silverlight
- Silverlight Application

MVC
- Architecture and role
- Application on MVC

CSS
- Different Type of CSS and its Implemantation

Deployment
- Deployment