Thinkers Internship / Training Syllabus

C#.NET

- MS.NET Framework Introduction
- Developing Console Application

  - Program structure.
  - Basic IO, including output to the console and messages boxes.
  - Data types.
  - Arithmetic operations and expressions.
  - Relational and logical operations.
  - Control structures: if, while, do, do-while, for, for each & switch. Array, Multidimensional

- Introduction to Object Oriented Features
- Exception Handling
- Working with Components / Assemblies
- Windows Forms
- Data Access using ADO.NET
- Debugging and Tracing
- Connected & Disconnected Architecture
- Client - Server Architecture
- Deploying the application , Creating setup

ASP.NET

- Web Programming Introduction
- Introduction to ASP
- ASP.NET Introduction & Sample Programs
- Validation Controls
- ASP.NET Architecture
- Page Navigation Options
- Creating a Layout Using Master Pages
- User Control
- Creating Virtual Directory & Web Application
- Authentication & Authorization
- AJAX.NET
- Session
- Cookies
- Working with IIS, Creating Virtual Directory

SQL Server Database

- SQL RDBMS Concepts
- SQL Data Types
- SQL Syntax
- SQL Operators
- SQL Joins
- Views
- Triggers
- Cursors
- Stored Procedure
- SQL Date Functions
- SQL Useful Functions
- SQL Sub Queries
- Database Backup & Restore

Crystal Reports

- Getting started with Crystal Report
- Sorting and Grouping
- Using Formulas
- Making Your Reports Visually Appealing
- Using Sections and Areas
- Viewer Interaction with Parameter Fields
- Reporting from SQL Databases
- Crystal Reports with ASP.NET
- Reporting Need in the application
- Crystal Reports – Reporting Tool
- Different ways to create Crystal Reports

Overview

- Oracle Database
- MySQL Database
- VB.Net

Effort is important, but knowing where to make an effort makes all the difference and that's where
Thinkers *comes into picture!!!*