Course Title: SQL Server 2008 Reporting Services

Course Description:
Develop report solutions using real world examples.

Course Prerequisite(s):
Working knowledge of the Windows environment

Course Objectives:
Create, install, enable and share reports based on SQL Server 2008 data stores.

Textbook(s):
Microsoft SQL Server 2008 Reporting Services Step by Step

Next Class Possibilities:
SQL Server 2008 Analysis Services

Lesson Plan – by week or session
Session 1:
1. Introducing Reporting Services
   a. Reporting Platform
   b. Reporting Life Cycle
   c. Reporting Services Architecture
   d. Share Point Integrated Mode
2. Exploring Reporting Services
   a. Developing a Simple Report
   b. Managing a Report
   c. Viewing a Report

Session 2:
1. Designing Reports
   a. Getting Started with Report Designer
   b. Designing the Report Structure
   c. Enhancing the Report Appearance
2. Developing Expressions
   a. Adding Calculations to a Report
   b. Using Aggregate Functions
   c. Changing Report Item Properties by Using Expressions
   d. Working with Variables
   e. Using Expressions for Dynamic Connections and Datasets
   f. Developing Expressions for Hierarchical Data

Session 3:
1. Adding Interactivity
   a. Changing the Report Layout Interactively
   b. Working with Parameters
   c. Adding Navigation Features
2. Using Analysis Services as a Data Source
   a. Installing the Sample Database
   b. Creating an Analysis Services Dataset
   c. Building a Report
   d. Designing Parameters

Session 4:
1. Visualizing Data
   a. Creating Charts
   b. Working with Gauges
2. Developing Report Models
   a. Preparing to Develop a Report Model
   b. Generating a Report Model
   c. Refining a Report Model
   d. Managing a Report Model

Session 5:
1. Deploying Reports to a Server
   a. Reviewing Deployment Options
   b. Managing Content
   c. Configuring Data Source Properties
   d. Configuring Report Execution Properties
2. Securing Report Server Content
   b. Assigning User Permissions
   c. Configuring Item-Level Security
   d. Implementing Data Security

Session 6:
1. Performing Administrative Tasks
   a. Using Management Tools
   b. Configuring the Report Server
   c. Monitoring the Report Server
2. Accessing Reports Online
   a. Using Report Manager
   b. Exporting Reports

Session 7:
1. Creating Ad Hoc Reports
   a. Developing Reports with Report Builder
   b. Enhancing Reports
   c. Working with Clickthrough

Session 8:
1. Programming Reporting Services
a. Programming Report Design Components
b. Programming Report Server Management
c. Programming Reporting Access