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14+ Years of Experience
with 60,000+ Beneficiaries

Microsoft® SharePoint®

The goal of this course is to provide the participants with complete knowledge of SharePoint 2010 which includes the four modules Fundamental (Usability), Administration, Development and Designer. Documents, images, movies and media in Rich UI Windows Applications.

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Introduction

The goal of this course is to provide the participants with complete knowledge of SharePoint 2010 which includes the four modules Fundamental (Usability), Administration, Development and Designer.

Course Objectives

At the end of the course, students will be able to:

- Understand IIS Web Server and hosting websites in IIS.
- Install and configure all the required software's products to work with SharePoint 2010.
- Create SharePoint Web Applications, Site Collections, Sites and Sub sites.
- Create Custom Lists and Libraries
- Understand and use out of the box lists and libraries to build the SharePoint site.
- Manage permissions for Active directory or users in database based on Forms Based Authentication.
- Manage large amount of data and documents using Content management features like document sets, document IDs & content organizer.
- Configure and manage user profile service
- Implement Search Features in the site.
- Create forms for lists and libraries using InfoPath.
- Use Excel for designing and publishing reports using excel service.
- Customize most widely used sections of the SharePoint API (site collections, sites, lists, lists items, list queries, Fields, user profiles, web applications)
- Use out of the box workflow management and also be able to develop custom workflow solutions for SharePoint
- Create custom event handlers
- Use features and solutions for deploying projects in SharePoint Server 2010
- Build and deploy web parts
- Develop Sandboxed solutions with limited access.
- Access external data using BCS.
- Use VS.NET 2010 to Create custom lists that use custom content types

Duration

6 Weekends – 5 hours on Saturday and 1½ hour on Sunday.
Total: Approx 40 hours of training.
On weekdays participants can practice topics covered till date.

Prerequisites

Fundamentals Module – Ideally suitable for people who want to develop SharePoint application using features which are available out of the box.
Administration Module – Though we cover from ground up, basic knowledge of networking will be added advantage.
Developer Module – Basic programming knowledge of ASP.NET will be required.
Designer Module– Basic programming knowledge of ASP.NET will be required.

Course Material

Participants will be provided with complete course material which will cover the required topics and most importantly will have walkthroughs for each and every topic mentioned in the syllabus.

Course Details

General Introduction
- What is IIS
- IIS Website & Web Application
- Steps to Create Multiple Website on Port 80
- What is Application Pool
- What is AppDomain
- What is ISAPI Filter / Extension
- Web Garden & Web Farm
- HTTPS and SSL
- Active Directory users and groups creation

Introduction to SharePoint
- What is SharePoint
- High Level Features
- Six Pillars of SharePoint 2010
- Version History of SharePoint
- Role of SharePoint Server in LAN.
- Components in SharePoint
- Developers Onion View of SharePoint.

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SharePoint Installation and Administration•

- Hardware & Software Requirements
- Supported Browser
- Types of Installation
- Software's to be Installed
- Central Administration Site
- Managed Accounts
- Configuration To Send and Receive E-Mail

SharePoint Site Hierarchy

- SharePoint Site Hierarchy
- Web Application
- Site Collection
- Creating Site and Sub Site
- SharePoint site Home Page.
- Branding Site Look and Feel
- Working with Quota Templates
- Save Site as Template
- Create Site from Template

Lists

- Overview of Lists
- Create Custom List
- Add Custom Columns
- Site Columns and Groups
- Sort and Filter List
- Create / Manage List View
- Content Type
- List Template
- Versioning of Data
- Metadata Navigation Settings
- List Throttling

Predefined List & Libraries

- Predefined Lists
- Predefined Libraries
- Editing Document properties
- Version Settings
- Check out, edit, and check in files.
- Create folders and navigate between them
- Adding Documents
- Document Template
- Document Workspace

Security – User Groups and Permissions

- Authentication vs. Authorization
- Creating users and groups in Active Directory
- SharePoint Groups
- Creating Custom Permissions Groups
- Granting Permission to User/groups
- To Create a Custom Permission level
- To bind Users/Groups and Permission Level
- Managing Permissions in Sub site.
- Allow Users to create their own site
- To Set Site Confirmation and Deletion of unused sites
- Permissions for Lists / Libraries / ListItems

Claim Based Authentication

- How does Claims Based Authentication works?
- Creating SQL Server Database for authentication using Membership and Role Provider
- Creating Web Application using CBA.
- Allowing Anonymous Access in a Web Application
- Enable Form Based Authentication
- Editing web.config of Web Application, Central Admin Application and STS
- Zones in SharePoint
- Creating an Alternate Access Mapping

Enterprise Content Management

- Managed Metadata Service
- Term, Termsets & Keywords
- Enterprise Content Type
- Document sets
- Document ID Service and IDs
- Content Organizer and Automatic routing
- In Place Record Management

User Profile Service Administration

- What is Social Computing?
- Managing User Profiles
- User Profile Service Application
- Synchronization Service
- Working with Audience
- Tags and Notes
- Working with MySite

Administering and configuring Search

- Purpose of Enterprise Search solution
- Microsoft Server Side Search Products
- What's New in SharePoint Search Server 2010
- Logical architecture for the Enterprise Search Components
- Setting up Search Service Application
- Configuring Crawler Settings
- Queries and Results Settings
- Search Administration at the Site Collection Level
- Creating Keywords, Definitions, Best Bets and Synonyms
- Creating Search Scopes

PowerShell

- Overview of PowerShell
- Pipelining of cmdlets
- Windows PowerShell Scripts
- Using .NET Objects
- SharePoint PowerShell Snap-In
- Creating/Managing a Web Application
- Creating/Managing Site Collection and Site

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Backup and Restore
- Complete Backup of Web Application
- Complete Restore of Web Application
- Granular Backup of Site Collection
- Exporting & Importing of List

Server Object Model
- Using Microsoft.SharePoint.DLL
- Site Architecture and Object Overview
- SPWebApplication, SPSite, SPWeb, SPList and more...
- Sample Programs to understand the Object Model

CAML and LINQ
- Introduction to CAML
- Writing CAML Queries
- Implementing Join
- LINQ Introduction
- LINQ to SharePoint

SharePoint Tools for Visual Studio 2010
- Visual Studio Project templates for SharePoint 2010
- Server Explorer, Feature Designer, Package Explorer
- Building and Deploying Solutions in Visual Studio 2010 for SharePoint 2010

Sandboxed Solutions
- What is Sandboxed
- Applications deployable as Sandboxed
- Sand boxed and Farm Deployment comparison
- Benefits of Sandbox
- Enable Sandbox Service
- Blocking a Sandbox solution
- Build and Deploy Sandboxed Solution

Features
- SharePoint Root Directory
- Features Overview
- Features Scope
- Create a new feature and Deploying Features using VS2010
- Feature Events
- Manage SharePoint Solution (WSP) using PowerShell Commands

Visual Studio Templates
- Creating Content Type.
- Creating SharePoint List Definition with List Instance.
- Modify the User Interface Using Custom Actions

Event Receivers
- Event Handlers - Before events and After Events.
- Event receiver base classes.
- Registering Event Handlers
- Example of Before Events
- Programming After Events

Working with Web Parts
- Overview of Web Parts
- Web Part Page Structure
- Common Web Parts
- Manage Web Part
- Creating Custom Web Parts in VS.NET
- Add Web Part to Gallery
- Adding Web Part to Page from Gallery
- Connecting Web Parts

Sandboxed Solutions
- What is Sandboxed
- Applications deployable as Sandboxed
- Sand boxed and Farm Deployment comparison
- Benefits of Sandbox
- Enable Sandbox Service
- Blocking a Sandbox solution
- Build and Deploy Sandboxed Solution

InfoPath
- Form controls
- Form templates
- Publishing form to document library

Business Connectivity Service
- Creating a BDC Project in VS.NET
- Working with Entities and Methods
- Type Descriptor
- Using Data in External List
- Granting Permissions to the BDC List.

Workflow
- Overview of Workflow
- Creating Workflow using Web Interface
  - 3 – State
  - Approval
  - Signature
- Workflow Authoring using SharePoint Designer 2010
- Workflow Authoring using Visual Studio 2010
- Managing Workflow Instances in the Farm
- No-code workflows designed in Visio 2010 and developed in SharePoint Designer 2010

SharePoint Designer
- What's new in SharePoint Designer
- Opening SharePoint Site in Designer
- Types of Panes
- Editing look and feel using CSS and Themes
- Application Pages
- Customized Pages

- Page Layout
- Creating Master Pages
- Creating Content Pages
- Working with external data sources
  - Data View Web Parts
  - Data Source
  - Working with Web Parts
- Working with Workflows

Benefits of Availing our courses:

1. Participants will go through real time training as per current standard industry norms.
2. We take you very close to the actual development, which enables the participants to implement in a proper way, when on job.
3. The course modules help the participants to work on real time projects so as to implement whatever is learnt.
4. No need to increase the burden by buying books for reference, as all the course content handouts are prepared after in-depth understanding of the subject, which can be also used for quick reference.
5. We believe in permanent relationship, so our technical experts would be available for to provide you with the required guidance through our live support.
6. Trainers who can outline the subject matter are many but we believe to train the students to have ever lasting expertise on the subject matter.
7. Training with us will provide you with the skills and knowledge necessary for achieving confidence so that the individual can be productive from day one.
8. Our courses are designed such that more comprehensive professional and more practical oriented training.

Deccansoft belives in providing value based training and inline to our corporate vision of quality training Deccansoft will refund the money to students who are not satisfied with the training provided with in one week of starting the classroom training session.

For more details please contact us at enquiry@deccansoft.com or support@ bestdotnettraining.com

Corporate Enquiry

The Above Course Content can be customized for corporate trainings. Contact Corporate Course Coordinator manjula.sk@deccansoft.com