

SharePoint 2013

- **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?
 - Role of SharePoint Server in LAN.
 - High Level Features
 - Six Pillars of SharePoint
 - SharePoint 2013 benefits
 - Roles in SharePoint
 - Version History of SharePoint
 - SharePoint Editions

- **SharePoint Installation and Administration**
 - Server Hardware & Software Requirements
 - Supported Browser on client
 - Types of Installation
 - Software's to be Installed

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

- **Lists**
 - Introduction to Lists
 - Create Custom List
 - Add Custom Columns
 - Alert Me Option
 - Sort and Filter List
 - Create / Manage List View
 - Site Columns
 - Content Type
 - List Template
 - Metadata Navigation Settings
 - List Throttling

- **Predefined List & Libraries**
 - Predefined Lists
 - Predefined Libraries
 - Create a document library
 - Add one or more files to a document library
 - Adding custom columns to the Library
 - Add / Edit / Delete document properties
 - Enabling Approval
 - Versioning documents
 - Check out, edit, and check in files.
 - Managing Permissions
 - Editing Document Template
 - Use Word to populate metadata in SharePoint columns.
 - To set Icon for New Document Types.
 - Mapping Library to Network Drive.
 - Document Workspace
 - Information Policy

- **SharePoint Designer**
 - Introduction to SharePoint Designer 2013
 - Creating / Opening a site in SPD 2013
 - Creating / Customizing Lists and Libraries
 - Ghosted and Unghosted Pages
 - Understand Master Pages

- **Branding SharePoint Sites**
 - Branding site Team Sites
 - Branding SharePoint Publishing sites
 - Custom MasterPages and Layout Pages
 - Creating Custom Theme
 - Creating and Using a Design Package
 - Using Device Channels
 - Adding Interaction to SharePoint Pages by using JavaScript

- **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.
 - Permissions for Lists / Libraries or ListItems
 - To Set Site Confirmation and Deletion of unused sites
 - Managed Accounts
 - Allow Users to create their own site
 - Additional Security Features

- **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

- **Understanding Service Applications**
 - What are Service Applications?
 - Benefits of Service Application.

- Service Application Life Cycle.
- Installing Service Applications and Associating with Web Applications.
- List of Service Applications.

- **Enterprise Content Management**
 - Introduction to ECM
 - Provisioning Managed Metadata Service Application
 - Term Store Management Tool
 - Enterprise Content Types
 - Document Sets.
 - Document Id Service
 - Content Organizer
 - Documents and Records Management

- **User Profile Service Administration**
 - What is Social Computing?
 - Managing User Profiles
 - User Profile Service Application
 - Synchronization Service
 - Working with My Site
 - Activity Feed Job
 - Following Settings
 - Creating and Configuring Communities
 - Working with Audience

- **Administering and configuring Search**
 - Purpose of Enterprise Search solution
 - Microsoft Server Side Search Products
 - What's New in SharePoint Search Server 2013
 - 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

- **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**
 - Site Architecture and Server Object Model
 - SPWebApplication, SPSite, SPWeb, SPList and more...
 - Working with List
 - Working with Document Libraries
 - Sample Programs to understand the Object Model

- **CAML and LINQ Queries**
 - CAML Overview
 - Querying Lists using CAML
 - Querying Joined Lists using CAML
 - LINQ to SharePoint Overview
 - Using SPMetal tool
 - Querying Lists using LINQ
 - Querying Based on Lookup Column
 - Querying Joined Lists using LINQ

- **Features**
 - SharePoint Root Directory
 - Features Overview
 - Features Scope
 - Create a new feature and Deploying Features using VS2012
 - Feature Events
 - Manage SharePoint Solution (WSP) using PowerShell Commands

- **CAML – Creating List, Site Columns, Custom Actions and Site Definition**

- Creating Site Columns
- Creating Content Type.
- Creating SharePoint List Definition with List Instance.
- Modify the User Interface Using Custom Actions.
- Creating Site Definition

- **Types of Pages in SharePoint 2013**

- Site Pages.
- Application Pages.
- Master Pages.

- **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**

- Content Rollup
- Filters
- Forms
- Media and Content
- Search
- Social Collaboration
- Building a Simple Web Part
- Persisting Properties
- Editing Properties in Editor WebPart
- Developing Custom Editor WebPart
- Composite Web Part
- Visual Web Part
- Web Part Communication.

- **Sandboxed Solutions**

- What is Sandboxed Solution.
- Comparing Farm Solution with Sandbox Solutions.

- Benefits of using sandboxed solutions.
- To enable sandboxed solutions by using Central Administration.
- Create a Sandboxed Solution Project with a web part.
- Build and Deploy the Sandboxed Solution.
- Using Windows PowerShell for Administration Sandboxed Solutions.

- **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**
 - What is Workflow
 - Built-In SharePoint 2010 Workflows
 - Workflow Manager
 - Building Custom Workflow using Visio 2013 and SharePoint Designer 2013
 - Site Workflow
 - Publishing and Deploying Workflow
 - Building Custom Workflow using Visual Studio - 2013

- **Client Object Model**
 - How Client Object Model Works
 - Managed Client Object Model Design and Understanding
 - Understanding Load and ExecuteQuery methods of ClientContext
 - Adding List and ListItems
 - Querying List Data using CAML
 - Performing CRUD Operations over List
 - Querying Large Lists
 - JavaScript Client Object Model.
 - Overview
 - Performing Async Operations using SP.ClientContext object
 - Fetching Lists Properties
 - CRUD over List

- **REST API and OData Standard**
 - Role of REST and OData in SharePoint

- SharePoint REST Service Architecture
- REST EndPoints using OData queries to Select, Filter and Sort
- Example to Create, Update and Delete Lists
- Example to Add, Edit and Delete Items in a List

- **Apps for SharePoint 2013**
 - Overview
 - Apps Hosting Options
 - Configure an environment for apps for SharePoint
 - Manage the App Catalog in SharePoint 2013
 - Using Office 365 and NAPA tool for development.
 - Deploying SharePoint Hosted App using VS 2012
 - Developing Custom Action
 - Developing Client WebPart
 - Using REST API
 - Deploying Provider Hosted App
 - Deploying Auto Hosted App

- **InfoPath**
 - About InfoPath
 - Creating SharePoint list and Publishing in SharePoint site
 - Creating Form and Publishing to SharePoint site
 - Deploy Form Templates That Contain Form Code That Requires Full Trust
 - Writing Custom Code in InfoPath Form
 - Walkthrough to Delete SharePoint list items from InfoPath form
 - Convert Word Forms to InfoPath
 - Convert Excel Documents to InfoPath
 - **InfoPath Digital Signature**
 - Publish an InfoPath Form to Forms Server and Digitally Sign it
 - Enable sections in an InfoPath form to accept Digital Signatures
 - Digitally Sign an InfoPath form and Submit using Email
 - **InfoPath External Data**
 - Retrieve data from SharePoint Lists and your Databases into InfoPath forms
 - **InfoPath Validation Formatting**
 - Template Part – Email field with built in Validation
 - Enhance InfoPath form with Validation, Formatting and Lookups

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