1. Introduction to SharePoint

* What is SharePoint
* History of SharePoint
* SharePoint terminologies
  + Farm
  + Web Application
  + Site collection
  + Sites
  + web parts
  + content types
  + pages
  + lists
  + libraries
* The 6 pillars of SharePoint 2013/2016

1. SharePoint 2013/2016 OOB Solutions

* Creating site collections
* Creating sites
* Saving sites as template
* Creating sites based on templates
* Saving lists and libraries as template
* Creating lists and libraries based on templates
* SharePoint Security(A*uthentication & A*uthorization)

1. SharePoint Designer solutions

* What is SharePoint designer
* How to create data sources using SharePoint designer
* How to build workflow using SharePoint designer
* How to create views and forms using SharePoint designer
* How to brand sites and master pages using SharePoint designer

1. Workflow

* What is Workflow
* OOB and Non-code custom workflows
  + OOB workflows
  + Workflow steps
  + Workflow conditions
  + Workflow actions
* Types of workflows
  + List workflow
  + Reusable workflows
  + Site workflows

1. InfoPath

* What is InfoPath
* Types of InfoPath forms
* What are controls
* What are sections
* Validations, formatting and actions
  + Adding rules, conditional formatting and validations
  + Capturing user information
* Converting existing documents to InfoPath forms
* Creating data sources
* Creating views and sections
* Navigating from one view to another

1. SharePoint and SQL server

* Introduction to SQL Server
* Important database concepts
  + Database
  + Data types
  + Tables
  + Views
  + T-SQL Statements
    - SELECT, ALTER, DELETE and INSERET (CRUD)
* What is the relationship b/n SharePoint and SQL Server

1. Introduction to SharePoint Development Environment (IDE)

* Visual Studio
* C#
  + Introduction to C# Language
  + Data types,
  + Variables,
  + Operators,
  + Casting;
  + Control statements,
  + Loops,
  + Classes,
  + Object,
  + Members,
  + Properties,
  + Methods,
  + Functions,
  + Encapsulation,
  + Inheritance,
  + Polymorphism,
* .NET Framework
* ASP.NET

1. SharePoint Solutions

* Accessing SharePoint Objects using console applications
* Types of Solutions
  + Farm
  + Sandbox
* Creating Farm solutions
* Creating Sandbox solutions
* Developing solution
* Debugging Solution
* Packaging and Deploying Solution

1. Web parts and Visual Web parts

* What is the difference b/n web parts and Visual web parts
* Creating web parts
* Creating visual web parts

1. Common Visual Studio solutions

* Creating site columns
* Creating content types
* Creating List Definition
* Creating Lists
* Creating Site definition
* Custom workflows

1. Event receiver

* What are event receiver
* Types of event receiver
* Creating event receiver

1. Accessing SharePoint Data using Server side APIs

* Understanding the most common SharePoint Classes
  + SPContext, SPSite, SPWeb and SPList
* Retrieving and Manipulating data using SPList, SPListItemCollection, SPListItem and Query
* LINQ
* CAML

1. Business Connectivity Services(BCS)

* External Content types
* Accessing External Data with using BCS

1. Business Intelligence

* SQL Server Integration Services (SSIS)
* SQL Server Analysis Services (SSAS)
* SQL Server Reporting Services (SSRS)

1. Other related topics

* XML
* HTML
* CSS
* Java Script
* Jquery
* PowerShell
* Command Prompt