

1. .Net platform training topics

- Existing development scenario
- Challenges faced by developers
- Where does .NET fits in
- .NET platform layers
- Structure of .NET application
- Flavors of .NET
- Features of .NET
- Different types of applications supported by .NET platform
- Code management - JIT (Just In time compiling) and debugging
- Managed versus un-managed methods and transactions
- Object oriented programming concepts
- Error and exceptions handling
- Assemblies and application domains

2. C# Training Topics:

- Introduction
- Visual studio.net
 - Introduction to Integrated Development Environment (IDE)
 - Visual studio installation process
 - Restarting your computer
 - Launching visual studio enterprise 2015
 - Activating visual studio
 - Visual studio web development environment
 - Get ready to visual studio
 - Solution explorer
 - Tool box
 - Editors and designers
 - Properties window
 - Build and debug tools
 - Run and compile the program
 - Creating and using ASP.NET master pages in visual web developer
- Dot NET
 - Machine dependency
 - Features of .Net
 - .Net framework
 - Development of.net framework
 - .Net framework versions
 - .Net framework architecture
 - Concerns and criticisms related to .Net

- C# programming language
 - History of language
 - Design goals of C#
 - Versions of c# language
 - Features of c# 2.0
 - Features of c# 3.0
 - Features of c# 4.0
 - Features of c# 5.0
 - Features of c# 6.0
 - Features of c# 7.0
 - Features of c# 7.1
 - Features of c# 7.2
 - Programming approaches
 - What is a class?
 - How to consume a datatype?
 - OOPS in Java and C#
 - Writing programs in c# languages
 - System Requirements
 - Syntax to define a class in c#
 - Syntax to define main method in the class
 - System.Console.WriteLine
 - Importing a namespace
 - Importing a class
 - Data types in c#
 - String Formatting
 - Data types
 - Nullable Types
 - Implicitly typed variable using 'var' keyword
 - Dynamic type
 - Boxing and unboxing
 - Operators
 - Conditional statements in c#
 - Jump statements
 - Arrays
 - Command line parameters
- Object Oriented Programming in c#
 - Encapsulation
 - Abstraction
 - Inheritance
 - Polymorphism
 - Class
 - Method
 - Defining Methods
 - Consuming class

- Parameters
 - Killing the instance of a class
 - Creating multiple instances to a class
 - Reference of a class
 - Constructors
 - Inheritance
 - Rules and regulations for inheritance
 - Types of Inheritance
 - Encapsulation
 - Abstraction
 - Polymorphism
 - Overloading
 - Difference between method overloading and overriding
 - Interfaces
 - Sealed class
 - Sealed method
 - Extension methods
 - Rules for defining extension methods
 - Working with multiple projects and solutions
- Access Specifiers
 - Private
 - Internal
 - Protected
 - Protected Internal
 - Public
- Language Interoperability
 - Consuming VB.Net code in C#
- Destructor
 - Destructor and inheritance
 - Conclusion about destructors
- Properties
 - Syntax to define a property
 - Enumerated property
 - Auto implemented properties
- Object Initialization
- Indexers
- Exceptions and exception handling
 - Exception
 - Exception hierarchy
 - Exception handling
 - How to handle exception
 - Application exception
- Multi Threading
 - Thread

- Multithreading
 - Thread life cycle
 - Why we should not use threads in our application?
 - Why should we use threads?
 - Using threads with C# applications
- Collections
 - Auto re-sizing of collections
 - Array list
 - Hash tables
 - Generics
- Delegates
 - Define a delegate
 - Instantiate the delegate
 - Using the delegate and calling a method
 - Types of delegates
 - Anonymous methods
 - Lambda expressions
 - Partial classes
 - Partial methods
- Windows programming
 - Developing graphical user interface
 - How to develop a desktop application (GUI)
 - Developing windows application using notepad
 - Developing windows application using Visual Studio
 - Adding new forms in project
 - Event
 - How to define an event procedure manually
 - Defining event procedures in notepad
 - Placing controls on a form
 - How does form gets created
 - Default events
 - working with Events and event procedures
 - Binding event procedure with multiple events of control
- Working with controls
 - Radio button
 - Check box control
 - Button
 - Label
 - Text box
 - Message box
 - Combo box
 - Checked list box
 - Picture box
 - Dialog controls

- Dock property
 - Timer control
 - Form control
 - Masked text box
- User Controls
 - Component Developers
 - Application Developers
 - Creating a stop clock control
 - Developing an inherited or extended control
- .NET Data Access framework providers
 - ADO.NET
 - ADO.NET Architecture
 - ADO.NET Namespaces
 - Performing operations on Data Source
 - Establishing Connection with Data Source
 - Constructors of the class
 - Members of Connection Class
 - Methods of Command Class
 - Access data from a data reader
 - Working with SQL Server
 - Data Reader
 - Dataset
 - Data Adapter
 - Configuration Files
 - Data Grid View
 - Data View
 - Data Relation
 - Communication with data sources using ODBC drivers
 - Accessing MS Excel data from .NET applications
 - Stored Procedures
 - Introduction to LINQ
 - LINQ to SQL
 - ADO.NET Entity Framework
 - Entity Data Model
 - Developing an EDM (Entity Data Model) project, Configuring with SQL SERVER
 - Code under first form
 - Code under second form
 - Retrieving data from tables
- Assemblies
 - Private Assemblies
 - Shared Assemblies
 - Creating a Shared Assembly
 - Versioning of assemblies
 - Assemblies and side by side execution

- Assembly manifest
 - Type Metadata
 - MSIL Code or CIL Code
 - Compilation and Execution process of C# Project
 - Process of designing data logic layers
- Setup and Deployment
- Remoting
 - Application Architecture's
 - Remoting
 - Developing Remoting application
 - Application Server or Remote server
 - Remote interface
 - Developing an interface
 - Developing a Remote class
 - Process to develop a Remote server
 - Installing the service on your machine
 - Process to develop Remote server
 - Developing the client
 - Execution of the application
 - Singleton VS SingleCall

3. ASP.NET Training Topics:

- Introduction to web Application
 - Web Application and Web SERVER
- Markup Language
 - HTML
 - Java SCRIPT
- ASP
 - Introduction to ASP
 - What is an ASP file?
 - How does it work?
 - ASP Page Deployment
 - ASP Forms
 - ASP Objects
 - Database Connection using ADO
 - Working with Global.asa

- ASP.NET
 - Introduction to ASP.NET
 - ASP.NET Overview
 - Creating ASP.NET Application
 - Designing web forms, HTML
 - Installing IIS SERVER
 - ASP.NET Project folder structure
 - ASP.NET Life cycle
 - Understanding the rendering nature of Controls developing
- Web Forms Architecture
 - Parts of Web form
 - Page Class
 - Web Forms Lifecycle
 - Web Forms Event Model
- ASP.NET and HTTP
 - Request/Response programming
 - HTTP Request Class
 - HTTP Collections
 - HTTP Response Class
 - Redirection
- Working with controls
 - Introduction to web controls
 - Simple input controls
 - List Controls
 - Controlling Focus
- Using Rich Server Controls
 - Introduction to Rich Controls
 - Calendar Control
 - Ad Rotator Control
 - XML Control
 - File Upload
 - MultiView control
- Working with validation controls

- Overview of validation controls
 - Required field validator
 - Range Validator
 - Compare Validator
 - Regular Expression Validator
 - Custom Validator
 - Validation Summary
- User Control
 - Creating user control
- State Management
 - Client side state management
 - View State
 - Control State
 - Hidden Fields
 - Cookies
 - Query Strings
 - Server Side state Management Techniques
 - Application state
 - Session State
- ADO.Net
 - Introduction to ADO.Net
 - Data Providers
 - DataSet
 - Advantages of ADO.Net over ADO
 - Connected and Disconnected data access architecture
- DataAccess in ASP.NET4.0
 - Data Source Controls
 - Repeater Control
 - Data Grid control
 - GridView Control
 - Details View Control
 - Form View
 - Object Data Sources

- List View control
 - Entity Data Model
- Personalization and Security
 - Configuration overview
 - Themes, Skins
 - Master Pages
- ASP.NET and AJAX
 - Introduction to Microsoft Ajax (Codename: ATLAS)
 - XML HTTP Object
 - Advantages and disadvantages of using Ajax
 - Script Manager
 - Update Panel
 - Triggers
 - Ajax Control Toolkit
- ASP.NET Error Handling and Configuration
 - Error Handling and .Net runtime
 - Page Level Error Handling
 - Application Level Error Handling
 - Code Level Error Handling
 - Configuration overview
 - Authentication and Authorization
 - Forms Authentication
 - Windows Authentication and IIS
 - Passport Authentication
 - Anonymous Authentication
 - Open Authentication
 - Security and ASP.NET
 - Memberships
- Cache Services
 - Cache Overview
 - Why caching?
 - The Process
 - Multiple sorts of pages
 - What a cache does?
 - Page-Level Caching
 - Application Caching

- Caching a page
 - Data Caching
- Navigation Controls
 - Sitemap Navigation control
 - Menu Control
 - Tree View Control
- Deployment
 - Deploying ASP.NET Application
 - Creating Setup for ASP.NET application
- ASP.NET and Web Services
 - Introducing Web SERVICES
 - Writing a simple web service
 - SOAP, WSDL, UDDI
 - Web service Type Martialling
 - Using Data in webservice
 - Web Service Security
 - Web Service with data set
 - Using Objects and intrinsic
 - Overview of WCF
 - Sample of WCF application
- WebParts
 - Overview on Web Parts
 - Webparts page display modes
- Crystal Reports in ASP.NET
 - Introduction to crystal reports, Advantages
 - Strongly typed and Untyped reports
 - Creating Crystal Report
 - Working with Crystal Report Viewer
 - Accessing Filtered Data through crystal reports
 - Exporting Crystal Report
- ASP.NET4.0 Features
 - Extensible Output Caching

- Permanently redirecting a page
 - Routing in ASP.NET4
 - Shrinking Session State
 - Setting Meta Tags
 - Setting Client IDs
 - Chart Control
- How Web pages are Processing
- Difference between Response.Redirect and Server.transfer
- Tracing
 - Page level
 - Application Level
 - Custom message in Trace
- Changing Language Settings in IE
- Culture info
- Resource files
 - Types of Resource files
- Storing Images in Database
- LINQ
 - Linq to Object
 - Linq to DataSource
 - Linq to XML
 - Linq to Database
 - Advantages of Linq
 - Calling SP by using Linq

4. SQL Training Topics :

- Introduction
 - What is Data
 - Storing Data in Books and Files
 - Disadvantages
 - Flat files or Text files in computer
 - Drawbacks
 - Database
 - Data Store or Data Source
 - Data Retrieval
 - Sequel

- Security
 - Data Redundancy and Data inconsistency
 - Data Integrity
 - Indexing
 - OLTP
 - OLAP
- DBMS
 - HDBMS
 - NDBMS
 - RDBMS
 - ORDBMS
 - OORDBMS
- CODD rules
 - Rule1 : Information Rule:
 - Rule2 : Guaranteed Access Rule
 - Rule 3: Systematic Treatment of Null Values
 - Rule 4: Dynamic On-line Catalog Based on the Relational Model
 - Rule5 : Comprehensive Data Sub-language Rule
 - Rule6 : View-updating Rule
 - Rule7 : High-level Insert, Update and Delete
 - Rule8 : Physical Data Independence
 - Rule9 : Logical Data Independence
 - Rule 10: Integrity Independence
 - Rule 11: Distribution Independence
 - Rule 12: Non-subversion Rule
- Normalization
 - Anomalies DBMS
 - First Normal Form
 - Second Normal Form
 - Third Normal Form
 - Boyce Codd normal form (BCNF)
 - NF (Fourth Normal Form) Rules
 - NF (Fifth Normal Form) Rules
 - NF (Sixth Normal Form) Proposed
- SQL Commands types
 - DDL

- DML
 - DQL
 - DCL
 - TCL
- SQL Server
 - Other Popular Databases
 - SQL Versions
 - Database Types
 - Server Types
 - Authentication
 - Working with SQL Server
 - Express Edition
 - SQL Database Components
- Data Types in SQL Server
 - Numeric data type
 - Date and Time
 - Character Strings
 - Binary data types
 - Other Data Types
- Table
 - Creating a Table
 - Inserting Values into a Table
 - Inserting Values into selected columns
 - Retrieving all records of the data
 - Retrieving selected columns
 - Update Command
 - Delete Command
 - Dropping a Table
- Data Integrity
 - Entity Integrity
 - Domain Integrity
 - Referential Integrity
- Constraints
 - Primary Key

- Not Null
- Null
- Unique
- Unique + not null or Candidate key
- Composite primary key
- Checked
- Default
- Foreign key
- Delete Rules
- Update Rules
- Providing default value for a column
- Self Referential Integrity
- Alter Table Command
 - Adding a new column under a table
 - Add a new Constraint
 - Adding a primary key on existing column
 - Drop an existing constraint in a table
 - Disable or Re enable check constraint of a table
 - Drop a Table Command
 - Truncate Table Command
 - Select Command
- Clauses
 - Where Clause
 - Group by Clause
 - Having Clause
 - Order by Clause
 - Clarifications
- Builtin Functions
 - Mathematical Functions
 - String Functions
 - DataTypes Functions
- DateAndTime Functions
 - GetDate()
 - GetUTCDate()
 - SystemDateTime()
 - SysDateTimeOffset()

- SysUTCDateTime()
 - DateName()
 - DatePart(DatePart,Date)
 - Day(Date)
 - Month(Date)
 - Year(Date)
 - DateDiff
 - DateAdd
 - DateFromParts
 - TimeFromParts
 - IsDate(expression)
 - SetDateFormat(Format)
- Conversion Functions
 - Cast (Expression AS Data Type(Length))
 - Convert()
- SystemFunctions
 - Host_ID()
 - Host_Name()
 - IsNumeric(Expression)
 - IsNull()
 - Coalesce(expression)
 - NullIf(expression, expression)
- Case
 - Simple Case Expression
 - Searched Case Expression
- MetaData Functions
 - App_Name()
 - Col_Length ()
 - DB_ID ()
 - DB_Name ()
 - Object_ID ()
 - Object Name ()
 - Call Name ()
- Ranking Functions

- Top Clause
 - Rank() over()
 - Dense Rank() over()
 - Row Number() over()
 - NTILE() over()
- Aggregate Functions
 - Distinct keyword
 - Count()
 - Count big()
 - Sum(Distinct)
 - AVG(Distinct)
 - Min(Distinct)
 - Max(Distinct)
 - STDEV(Distinct)
 - Var(Distinct)
- Operators
 - Arithmetic Operators (+, *, /, %)
 - Assignment Operators (=)
 - Comparisons Operators (=, >, <, >=, <=, <>, !=, !<, !>)
 - Compound Operators(+, =, *, /, %, =)
 - Logical Operators
 - Set Operators
 - String Concatenation operators
- Giving Alias Names to Columns
- Offset and Fetch Options
 - Fetch
 - Sub-Queries
 - Co-related Sub Queries
- Joins
 - Inner join
 - Outer join
 - Self Join
 - Equijoin
 - NonEquijoin
 - Cross join or Cartesian join

- Sequence
 - Cache
- View
 - Create View:
 - Force View Creation
 - Update a View
 - NonUpdatable OR Read-Only View
 - Check option in view
 - Deleting Rows into a View
 - Dropping Views
 - View Classification
 - Benefits of View
 - View with Encryption
 - View With Schema Binding
- Meta Data Tables
 - SysObjects
 - SysColumns
 - SysComments
 - How Data is stored under a database
 - How Database engine retrieves data information from database
- Index
 - Why do you need to index your tables?
 - Clustered index
 - Non Clustered Index
 - Difference between clustered and non clustered index
 - Unique Index
 - How many indexes a table can have?
 - When SQL Server uses indexes
 - When should we create indexes on a table
 - Indexed Views
- PL/SQL or TSQL
 - Drawbacks of SQL
 - Anonymous Blocks
 - PL/SQL Program structure
 - Conditional statements

- Cursor
 - Types of Cursors
 - Components of Cursors
 - Cursor Scope
 - Data Fetch Option in Cursors
 - Types of cursors
 - Types of Locks
 - Example with Cursors
- SubPrograms
- Stored Procedures
 - Types of stored procedure
 - Create stored procedure
 - Calling a stored Procedures
 - Procedure with parameters
 - Calling a procedure with parameters
 - Stored Procedure with default values
 - Stored Procedure with output parameters
 - Stored Procedure Help Text
 - Procedure attributes
- Error Handling
 - Handling Errors in SQL Server
 - Pre-Defined Errors
 - Raising Errors explicitly in a programming
 - Deleting Our Error Messages from SysMessages
- Functions
 - Difference between Function and Procedure
 - Different Types of functions
- Triggers
 - DML Triggers
 - DDL Triggers
 - Syntax
 - Types of Triggers
 - DDL Triggers and Logon Triggers
 - Logon Triggers

- Temporary Tables
- Copying database from one machine to another
 - Backup and Restore
 - Copying mdf and ldf files with database
 - Generating a script file to the complete database and its objects
- SQL Server Reporting Services
 - Creating a simple report
 - Creating a new Report
 - Shared Data Resources
 - Drilldown reports
 - Matrix Reports
 - Parameterized Reports
 - Designing Reports Manually
 - Displaying Images into Reports

5. MVC Training Topics :

- MVC
 - What is MVC
- Modules in MVC
 - Model
 - View
 - Controller
- Technologies Supporting MVC
- ASP.NET MVC
 - What is ASP.NET MVC
 - Version History of ASP.NET MVC
 - ASP.NET MVC features
- Developing ASP.NET MVC Application
 - ASP.NET framework provides templates
- Folder Structure of ASP.NET application
 - APP_Start
 - Content

- Controller
 - Models
 - Scripts
 - Views
 - MVC Application Example
- Controllers in ASP.NET MVC
 - Responsibilities of Controller
 - Developing Controllers
 - Rules for Creating Controller
 - Controller class hierarchy
 - Library Information
 - Action Methods
 - Developing action Methods
 - Details about action Method
 - Rules to create action Method
 - Controller class hierarchy
- Action Methods
 - Types of Action Methods
- Views in ASP.NET MVC
 - View Engine
 - Razor Programming
 - Developing Data Entry Forms in ASP.NET MVCApplication
 - Identifying Request Type in Views
 - HTML helpers in MVC View development
- Action Method Parameters
 - Request Type Attribute
 - Action Method Parameters
- Model Class Objects
 - Get Action Method Parameters
 - Data Sharing between Control to View
 - Benefits
 - Steps to work with strongly typed view
 - Models in ASP.NET MVC
 - Classes in model

- Entity Framework
 - What is ORM
 - ORM tools
 - ORM tools Classes
 - Entity Framework Methods
 - Scaffolding templates in MVC
 - Lambda Expressions
 - Applications of Lambda Expression
- LinQ
 - What is LinQ
 - LinQ Programming Implementation
 - Relationship in Entity Framework
 - Entity Framework Implementation Approaches
- Data Annotations and Validations
 - What is Data Annotations
 - Library Info
 - Validation Attributes
 - Additional Attributes
- Layout Views in MVC Application
 - What is Layout View
 - Advantages
 - Files that are involved in View processing
 - Important Statements in Layout View
 - Steps for creating Layout Views
- Filters in ASP.NET MVC
 - Pre Defined Filters
 - What is custom filters
 - Types of Filters in MVC
 - How to develop custom filters
 - Method Arguments
 - Security in ASP.NET MVC Application
 - Steps to implement security
- Ajax programming in ASP.NET MVC using JQuery
- How to implement Ajax Programming

- What is JQuery
- Routing in ASP.NET MVC
 - What is customizing Routes
 - What are the advantages of Routing
- Web API
 - What is Web API
 - HTTP Client class Methods
- BootStrap in MVC
 - What is Bootstrap
 - How to Apply BootStrap CSS classes to HTML Tags
 - What is minification
 - Advantages
 - What is bundling
 - What is view model? Why do we use this concept
 - How to use output cache attribute in ASP.NET MVC
 - What is partial view in MVC
 - How to create Partial View
- Glossary

Advanced Technologies

1. JQuery Training Topics :

- What is JQuery
- Supported Browsers
- JQuery Library
 - How to integrate JQuery in web pages
 - Import JQuery library in your web pages
- JQuery Features
 - DOM Traversing
 - DOM manipulation
 - Effects in JQuery

- Ajax Supporting in JQuery
 - Light-weight
 - CSS complaint
 - Cross browser
- JavaScript programming Basics
 - Programming Rules in JavaScript
 - Include JavaScript in web pages
 - Accessing reference of html elements
 - Creating variables
 - Numeric Conversion
 - Creating functions in JavaScript
 - Event Handling in JavaScript
- Appling Styles in Web pages
 - Defining Styles
 - Implementation of CSS
 - Advantages
 - Style Properties
- Developing Web pages using JQuery
 - Required Software
 - Steps to implement
- Programming Items of JQuery
 - \$(Document)
 - Ready()
 - Function()
- Selectors in JQuery
 - Tag based
 - Id based
 - Class based
 - Select All Elements
 - Select Multiple Elements
 - Select Document
 - Current Item Selection

- JQuery Methods to get and set the content of html elements
 - Val()
 - Text()
 - Html()
 - Attr()
- Styles in JQuery
 - CSS (Prop, Value)
 - Multiple Properties
 - Add()
 - Remove class()
 - Toggle Class()
- DOM Traversing in JQuery
 - Traversing individual items
 - Traversing alternative items
 - DOM Tree based Traversing
 - Traveling filtered items
 - Traversing not filtered elements
- DOM Manipulations
 - Content Based
 - Structure Based
- Effects in JQuery
 - Functions used to apply effects in JQuery
- Data Handling using JQuery
 - Scalar Data
 - Array
 - Object
 - Array of Objects
- Ajax Programming in JQuery
 - Advantages of Ajax
 - Disadvantages of Ajax
 - Implement Ajax Programming

- JSON
 - Advantages of JSON over XML
 - Example of JSON objects
- JQuery UI
 - Implementation
 - JQuery-UI interaction
- JQuery-UI widgets
 - Button()
 - Accordion Panel
 - Tooltip
 - Tabs
 - Auto Complete
 - Date Picker
 - Dialog
 - Menu()
- JQuery-UI Themes
 - The JQuery UI themes folder structure
- JQuery-UI effects
 - Add Class
 - Color Animation
 - Easing
 - Effect
 - Hide
 - Remove Class
 - Show
 - Switch Class
 - Toggle
 - Toggle Class
- JQuery-Utilities
 - Position
 - Widget Factory
- JQuery Plug-ins

- How to Install JQuery Plug-in
- Types off JQuery Plug-in's

2. AJAX Training Topics:

- Introduction to Ajax
- What is Ajax?
- Advantages of AJAX
- Disadvantages of AJAX
- What is Asp.Net AJAX?
- Ajax in ASP.Net
- Programming Techniques of Ajax
- Basic Controls of ASP.NET AJAX
 - Script Manager
 - Script manager Proxy
 - Timer
 - Update Panel
 - Update Progress
- How to Download Add Ajax Toolkit to Visual Studio 2015 IDE
- Extender Controls
 - Confirm Button Extender
 - Calendar Extender
 - Filtered Textbox Control
 - NumericUpDown Extender
 - Paging Bulleted List Control
 - Password Strength Control
 - Drag Panel Extender Control
 - Drop Down Extender Control
 - Collapsible Panel Extender Control
 - Slider Extender Control
 - Resizable Control Extender
 - Mutually Exclusive Checkbox Extender
 - Popup Control Extender
 - Validator Callout Extender
 - Model Popup Extender
 - List search extender control
 - Drop Shadow Extender control
 - Hover menu Extender control
 - Masked edit Extender and Masked edit Validator
 - Rounded corner control

- Always visible Extender control
- Textbox water mark extender control
- Cascading dropdown extender control
- Auto complete extender control
- Slide show extender control
- Toggle Button Extender control
- Non-Extender Controls
 - Accordion and Accordion Pane
 - Tab container
 - Rating
 - Nobot Control

3. Angular JS Trining Topics

- Introduction to Angular JS
- Single Page Application
 - Challenges for SPA(Simple Page Application) using JS and HTML
- Challenges in Modern web application development
- Java Script VS JQuery VS Angular JS
- Java Script Request Flow
- JQuery Library and Execution Flow
- Angular Framework
 - MVC Framework
 - Angular MVC Pattern
 - Angular JS Execution Flow
 - Features of Angular JS
 - Create End to End Application
 - Angular JS architecture
- JavaScript language basics
 - Variables
 - Shadowing
 - JavaScript Data types
 - Primitive Type
 - Non Primitive Type
- Creating a new Angular application in Web Storm

- Components of Angular
- Commonly use Directives in Angular
- Modules in Angular
- Controllers
- Directives
 - ng- src Directive
 - nested ng-repeat
 - ng-repeat directive
 - ng-init directive
 - ng-include directive
 - ng-bind-html directive
 - ng-bind template
 - ng-blur directive
 - ng-checked
 - ng-copy
 - ng-cut
 - ng-paste
 - ng-class
 - ng-class-even, ng-class-odd
 - ng-class-with CSS Animation
 - ng-pattern
 - ng-href
 - ng-maxlength
 - ng-minlength
 - ng-if
 - ng-required
 - ng-open
 - ng-required(copy)
 - ng-selected
 - ng-style
 - ng-animate
- Qualifiers
- Angular directives to handle key-events
- Attributes
- Mouse Events
 - Member of Mouse Events
- Filters
 - Validate date formats in date filters
 - Applying filters on product table

- Displaying Numbers
 - Displaying Currency
 - Sorting on any field
 - Filtering records based on specified static values
 - Enabling Strict search
 - Sorting Data
- Angular Functions
 - Bootstrap method
 - Element method
 - Copy method
 - Equals method
- Services
 - Angular Services
 - \$HTTP Services
 - \$Timeout Service
 - \$Interval
 - \$Log Service
 - \$Window Service
 - \$filter Service
 - \$Location Service
 - Location Hash Service
 - Accessing the recent location
- Validations
 - Validations using patterns
 - Validations using functions
- Angular form states for validation
- Input field states for validation
- Angular styles for form validation
- Form validations with bootstrap
- Form validations in angular
 - Form validations using angular messages
- Distributed Computing
 - CORBA
 - DCOM

- RMI
 - EJB
 - Remoting
- Web services
 - SOAP
 - REST
 - JSON
- Java Script Ajax Request to handle JSON
- JQuery Ajax Request to handle JSON
- Angular Ajax Request to handle JSON
- Ajax options for Angular
- Tracking the status of Ajax Requests
- Routing in Angular

Node JS Training Topics

- Working with Node JS
- Installation of Node JS
- Configuring Node JS with Angular Project
- Features of Node JS
- Components of Node JS
- Working with Node Terminal
- REPL Commands
- Connecting with MySQL database using Node JS
- Code for production to communicate with Database
- Connection Pool
- Executing queries to manipulate data using Node JS
- Creating a Rest API in Node JS
- Requirements to create a rest API
- Web application framework in Node JS
- Creating a server in Node JS to integrate with client and access files from web server

Express JS Training Topics

- Install the packages
- Create a middleware to access the root folder using node server
- Routing in Express

- Accessing data from MySQLDatabase using Node JS and Express
- Routing in CRUD - Project to access the product details, create edit and delete views
- Details controller
- Edit controller
- Delete Controller
- Mango DB
- Features of Mango DB
- Connecting with Mango DB and accessing Data
- Connecting from angular application
- Custom Directive
- Create a custom directive
- Restricting an element and accessing parallel view
- Custom Filter
- Custom Services
- Servlet with Angular Integration
- Shopping Cart

4. XML Training Topics:

- XML introduction
 - Xml
 - Markup
 - XML Purpose
 - Elements
 - XML Elements Naming Rules
- Attributes
 - Entity References
 - Comments in XML
- Examples on XML document
 - Similarities between HTML and XML
 - Differences between HTML and XML
 - What is well-formed XML document
- DTD (Data Type Definition)

- Element Declaration
 - Attribute Declaration
 - Entities Declaration
 - PCDATA Section
 - CDATA Section
 - Internal DTD
 - External DTD
- DTD Types of Elements
 - Text-Only Elements
 - Child Only Elements
 - Mixed Elements
 - Empty Elements
 - ANY Elements
- Declaring Attributes
 - A Default Attribute Value
 - #Required Attributes
 - Enumerated type Attributes
 - ID type Attribute
 - IDREF type Attribute
 - NMTOKEN type Attribute
 - NOTATION type
 - Entity type Attribute
 - Entities type Attribute
- XSD (XML Schema Definition)
 - What is XSD
 - Difference between DTD and XSD
 - XSD Data Types
 - XSD Namespace
 - XSD Restrictions
 - Non-Atomic Data Types
 - Complex Type Data Types
- JAX-P
 - Overview of JAX-P
 - Responsibilities of Parsers
 - DOM parser
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- STAX Parser
- JAXB-Notes
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