**ASP.NET MVC 5**

**Duration: 2 Days**

**Day 1**

**Request Pipeline**

Routing

Configuration

RouteValueDictionary

Route Constraints

Catch-All Parameter

Ignoring Routes

Hands-On Lab Exercise

**Controllers**

Conventions

Request Pipeline

ActionResult

Hands-On Lab Exercise

**Entity Framework 6**

Evolution

NuGet

Code First

DbContext

Data Annotations

Fluent API

Performance

Hands-On Lab Exercise

**Views**

View Templates

Bootstrap Framework

Layouts

Hands-On Lab Exercise

**Helpers**

Strongly-Typed Helpers

Custom Helpers

Inline Razor Helpers

Hands-On Lab Exercise

**Strongly-Typed Views**

Creating

Passing Model Objects

Hands-On Lab Exercise

Day 2

Dependency Injection

Stored procedure

Areas

**Controller Inheritance**

Code Reuse

Initialize Method

Hands-On Lab Exercise

**HTML Forms**

Helpers

Hands-On Lab Exercise

Action Selectors

Model Binding

Hands-On Lab Exercise

**Partial Views and Child Actions**

Partial Views

Hands-On Lab Exercise

Child Actions

**Display and Edit Annotations**

Hands-On Lab Exercise

**Data Validation**

IValidatableObject

Hands-On Lab Exercise

Remote Validation

**Action Filters (Next agenda)**

OutputCache

HandleError

RequireHttps

Authorization

Global Filters

Custom Filters

Hands-On Lab Exercise

**Security**

Authentication

Cross-Site Scripting (XSS)

Cross-Site Request Forgery (CSRF)

Over-Posting

**Note: 2 Hours session will be given in the last day of the session on Glimpse**