

## **Ajax on . net**

**Duration :4 Days**

### ❖ **Prerequisites**

- Java Script 1.2
- Dom representation of XML Data ( Dom Level 2 minimum )
- CSS 2

### ❖ **Introduction**

- What is Ajax?
- Defining principles of Ajax
- Ajax rich clients and alternatives
- Orchestrating User Experiencing with JS
- Async Loading and the after effects

### ❖ **Loading Async Data – Techniques**

- IFrames
- XmlHttpRequest
- Sending Data to the Server
- Using Callbacks to monitor

### ❖ **Basic patterns,Refactoring and Ajax**

- Façade and Adapter
- Observer
- Command
- Singleton

### ❖ **MVC in Ajax ( Client side MVC as opposed to server- side MVC )**

### ❖ **User.Experience Details**

- Responsiveness,Robustness,Consistency.Simplicity
- Keeping User environment active
- Noticfication system design for Ajax.

### ❖ **Security**

- “Server of Origin” Policy,Sub-domain issues etc
- Cross Browser Security
- Remote service ( Proxing and WS )
- Secure HTTP,Encrypting data over HTTP using JS
- Policing access to Ajax Data Streams

- ❖ **Performance**
  - Speed of Execution
  - Profilers ( Venkam )
  - Memory Leaks, Memory, Foot prints
  
- ❖ **Ajax Specific Design patterns ( Optional )**
  
- ❖ **Buffer time for Q&A, Discussions etc.**