

**Course Name :eXtensible Markup Language**

**Course Duration : 1.5 day / 12 hrs / 3 half days ( Instructor lead- Classroom , Online )**

**Course Fees : Rs. 10000/- (Payable during registration)**

**Audience : Application Developers, WebSite Authors**

**What will you Learn ?**

## Introducion to XML

- o Why XML?
- o XML Architecture- Building Flexible three- tier web applications
- o XML a universal method for data transfer and transformation
- o Benefits of XML
  - Business benefits of XML
  - Technology benefits of XML

## Structure and Semantics of an XML document

- o Well – formed documents
- o Well – formedness rules
- o Parsing XML documents
- o Data verses Markup
- o Creating an XML document
- o Comments
- o Processing Instructions
- o Classification of the character data between the tags
- o The DOCTYPE declaration
- o Attributes

## Validations & Transformations

- o Validating XML Document against
  - o DTD
  - o XSD
  
- o DTD - Document Type
  - Declaring of Elements
  - Declaring Attributes
  - Creating an Internal and External DTD
  - Validating an XML document using a DTD
  
- o XML Schemas- XSD
  - Creating a schema file
  - Creating Simple Data Types and Complex Types
  - Creating attributes
  - Usage of Group, AttributeGroup, Choice elements
  - Validating an XML document using a XSD
  
- o XML –Semantics Xpath/Xaxis
  
- o XML StyleSheets – XSL
  
- o Transforming XML using XSL/XPATH/XSLT

XML Project – CASE STUDY Based , Assignment to be submitted post Course Completion

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