Course Content

Course Description:

In this course you will cover: the past, present, and future of XML; creating well-formed XML documents; working with elements, attributes and values; valid XML with DTD's; valid XML with Schema; XML DOM and SAX; displaying XML documents using CSS; transforming XML with XSLT; working with XML namespaces & using Xlink and Xpointer.

Prerequisites:

Windows Level 1; Cascading Style Sheets or equivalent knowledge.

Topics:

The Past, Present and Future of XML
- The limitation of SCML
- XML: the Best of all Worlds

Creating Well-formed XML Documents
- XML Document Markup
- Creating XML: Elements, Attributes and Entities
- Creating an XML Markup Language: Processing
- Instructions, Character Data and Comments
- XML and HTML

Valid XML with DTDs
- Introduction to the Document Type Definition (DTD)
- Creating a DTD

Valid XML with Schema
- Schema Specification
- Defining Elements
- Defining Attributes
- XML Scheme Data Types

XML DOM and SAX
- XML APIs

Displaying XML Documents Using CSS
- Style Sheets
- Cascading Style Sheets

Transforming XML with XSLT
- XSLT
- Using XSLT to Order your Output

XML Namespaces
- Introduction to Namespaces
- Linking Using HTML Namespaces

XLink and XPointer
- Link and XPointer