Topics – XML and XSL

1. Introduction to XML

What is XML
XML is a Meta-Markup Language
XML Features
Difference between XML and HTML
How can XML be used?
Brief History
XML (Extensible Markup Language)

2. XML Syntax

Elements, Tags, Contents
XML Elements
Attributes
Use of Elements vs Attributes
Empty Elements
Comments
Entity References
CDATA
Processing Instructions
Rules to a Well-Formed XML Document
Saving the XML file

3. Document Type Definitions

Document Type Definitions
Document Type Declaration
Validating Against a DTD
Element Type Declaration
Comments in DTDs
Sharing Common DTDs Among Documents
DTDs at Remote URLs
Public DTDs
Attribute List Declaration
Entity Declaration
Conditional Sections in DTDs
DTD Examples

4. Cascading Style Shee

What Is CSS?
Selection of Elements
Inheritance

Cascades
The @import Directive
The !important Declaration
Cascade Order
Comments in CSS Style Sheets
CSS Units

5. Namespaces

What are Namespaces?
Namespace Syntax
Namespaces and DTDs
Namespace Attribute
Using Namespaces

6. XSLT

What is XSLT?
Process of an XSL Transformation
XSLT is rule-based
Transforming the XML Document
XSLT Namespace

7. XSL Formatting Objects

Structure of an XSL-FO Document
Master Pages
First Program: Hello World
Static Content
Font and Text attributes
Borders
Paddings
Backgrounds
Lists
Tables
Graphics
Leaders
Footnotes
Page Number
Markers