

## **XML Executive Overview**

### **Course Summary**

#### **Description**

This course will provide insight into the capabilities and advantages of XML and review an XML case study. In addition, it will examine the major components of an XML based system, recent initiatives and the steps necessary to implement XML into new or existing systems.

#### **Objectives**

At the completion of this course, the student will understand:

- The applicability of XML
- The functionality of XML components
- The steps and effort required to implement an XML system.

#### **Topics**

- What is XML
- Advantages of XML
- Uses of XML
- XML case study
- Flow and components of XML based systems
- Well-formed XML documents
- The functions of DTDs and Schemas
- XML Parsers
- The Translator
- XML namespaces
- Recent developments in XML
- Implementing XML into existing or new systems

#### **Audience**

This course is designed for IT Managers, Systems Designers, and decision makers.

#### **Prerequisites**

Attendees of this course should be familiar with the elements and functions of Information Technology.

#### **Duration**

One half day

## **XML Overview for Managers**

### **Course Outline**

- I. Introduction**
  - A. What is XML
  - B. History of XML
  - C. Benefits of XML
  - D. XML for data exchange
  - E. XML for searching/harvesting data
  - F. XML for displaying data
  
- II. Case Study**
  - A. The company
  - B. The problem
  - C. The solution
  
- III. Major components of XML**
  - A. XML based systems
  - B. Well formed and valid XML documents
  - C. Document type Declarations (DTDs) and Schemas
  - D. Parsers
  - E. Browser support for XML
  - F. The Translator
  - G. XML Namespaces
  
- IV. Recent XML initiatives**
  - A. XML vocabularies
  - B. Single Object Access Protocol (SOAP)
  - C. Universal Description, Discovery, and Integration (UDDI)
  
- V. Implementing XML**
  - A. Difficulty in implementing XML
  - B. Steps in implementing XML
  - C. How XML fits with IT and the Enterprise
  - D. Content documents
  - E. Business documents
  - F. Exchange documents
  - G. Cost of implementing XML