

**Workshop on Architecture and Design Foundation**

**Contents:** Course has been designed based on the industry needs and technology trends.

**Day 1**

**IT System and Architecture**

- Functional Architecture
- Operational Architecture
- Architecture Type
- Architect's Roles & Responsibilities

**IT Architecture**

- Overview
- Vision and Principle

**Reference Architecture**

- WS Reference Architecture
- SOA Reference Architecture

**Architecture Work Products**

- Context Diagram
- Architecture Overview
- Architecture Logical view and Physical view

**Architecture Decision**

- Infrastructure Decision
- Product Recommendation
- Technology Decision

**Case Study – 1**

**Day 2**

**Create Architecture Work Product**

- Business Context Diagram
- System Context Diagram
- Architecture Overview
- Architecture Logical View
- Architecture Physical View

**Architecture Review & Assessment**

- AS-IS Architecture
- Reference Architecture
- Fit & Gap Analysis

**Architecture Standards**

- UML Modeling
- Model Driven Architecture
- Model Driven Design

**Architecture to Design Transition**

- Extract Business function and its flow
- Extract System function and system flow
- Extract software runtime component
- Extract System requirement for development, Deployment.

**Case study - 2**