

### **AVEVA Application Server Certified Exam Prep (CSI)**

OEM: AVEVA • Duration: 3 Days (24 hrs) • Code: CSI-AppServer

#### **COURSE MODULES & TOPICS**

##### **Module 1 — Introduction**

- Course overview and objectives
- AVEVA System Platform Overview and fundamental concepts
- AVEVA Application Server Overview and Galaxy creation
- The Integrated Development Environment (IDE)
- Automation Objects and templates
- System Requirements and Licensing

##### **Module 2 — Application Planning**

- AVEVA Application Server Project Workflow
- Case study of simulated manufacturing environment

##### **Module 3 — Application Infrastructure**

- The Plant Model and area objects
- The Deployment Model with hosting relationships
- System Management Console (SMC) functionality
- The Runtime Environment
- Data Simulation with OI Simulation Server

##### **Module 4 — Application Objects**

- Introduction to Application Objects
- Object Attributes configuration
- Change Control and Propagation
- Containment modeling approaches

##### **Module 5 — Device Integration**

- Device Integration Servers and OI servers
- Device Integration Objects configuration
- Connecting Application Objects to Field Data
- Device Integration Redundancy

## **Module 6 — History**

- Historising Data for AVEVA Application Server

## **Module 7 — Alarms and Events**

- Alarms and Events Overview

## **Module 8 — Object Management**

- Object Export and Import
- Galaxy Dump and Galaxy Load features

## **Module 9 — Security**

- Security Overview
- Object Security classifications

## **Module 10 — Application Redundancy**

- Application Redundancy configuration and management

## **Module 11 — Introduction to QuickScript.NET**

- Introduction to Scripting and syntax
- Variables and Control Statements

## **Module 12 — Galaxy Backup and Restore**

- Galaxy Backup and Restore procedures