

ARAS PLM Technical

COURSE CONTENT

GET IN TOUCH



Multisoft Systems
B - 125, Sector - 2, Noida



(+91) 9810-306-956



info@multosoftsystems.com



www.multosoftsystems.com

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with leading technologies to bring world-class one-on-one and certification training. Intending to empower professionals and businesses across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training, a comprehensive learning solution with lifetime e-learning access, after-training support and globally recognized training certificates.

About Course

ARAS PLM Technical Training equips professionals with the technical skills required to customize, extend, and administer ARAS Innovator. The course covers platform architecture, data modeling, forms, workflows, server-side development, client customization, APIs, integrations, security, reporting, and deployment. Through hands-on implementation and enterprise-focused projects, participants gain practical experience in developing scalable Product Lifecycle Management solutions.

Module 1: ARAS Innovator Architecture

- ✓ ARAS Platform Overview
- ✓ Solution Architecture
- ✓ Server Components
- ✓ Database Architecture
- ✓ Client Architecture
- ✓ Development Environment
- ✓ System Navigation

Module 2: Data Model and ItemTypes

- ✓ ItemTypes
- ✓ Properties
- ✓ Relationships
- ✓ Poly ItemTypes
- ✓ Item Behaviors
- ✓ Data Modeling
- ✓ Schema Design
- ✓ Best Practices

Module 3: Forms and User Interface Development

- ✓ Forms
- ✓ Form Events
- ✓ Fields
- ✓ Tabs

- ✓ Grids
- ✓ User Interface Customization
- ✓ Dynamic Forms

Module 4: Lifecycle Maps

- ✓ Lifecycle States
- ✓ State Transitions
- ✓ Release Process
- ✓ Version Control
- ✓ Lifecycle Automation
- ✓ Business Rules

Module 5: Workflow Development

- ✓ Workflow Maps
- ✓ Activities
- ✓ Tasks
- ✓ Voting Paths
- ✓ Notifications
- ✓ Workflow Automation
- ✓ Process Configuration
- ✓ Workflow Debugging

Module 6: AML (Aras Markup Language)

- ✓ AML Fundamentals

- ✓ Query Operations
- ✓ Create, Update, Delete
- ✓ Relationships in AML
- ✓ AML Best Practices
- ✓ AML Debugging
- ✓ Performance Optimization

Module 7: Server Methods using C#

- ✓ Method Types
- ✓ C# Development
- ✓ Server Events
- ✓ Business Logic
- ✓ Event Handlers
- ✓ Error Handling
- ✓ Debugging Techniques
- ✓ Code Reusability

Module 8: Client-Side Customization

- ✓ JavaScript Customization
- ✓ Client Events
- ✓ UI Scripting
- ✓ Custom Commands
- ✓ Menu Configuration
- ✓ User Experience Enhancements

Module 9: Security and Permissions

- ✓ Identity Management
- ✓ Permissions
- ✓ Access Control
- ✓ Roles
- ✓ Team Management
- ✓ Security Policies
- ✓ Data Protection

Module 10: REST APIs and Integration

- ✓ REST Services
- ✓ API Authentication
- ✓ CRUD Operations
- ✓ JSON Processing
- ✓ External System Integration
- ✓ API Testing
- ✓ Integration Best Practices

Module 11: Package Management

- ✓ Package Definition
- ✓ Import and Export
- ✓ Dependency Management
- ✓ Deployment Strategy
- ✓ Version Migration

- ✓ Release Management

Module 12: Administration and System Configuration

- ✓ User Administration
- ✓ System Variables
- ✓ Configuration Settings
- ✓ Logging
- ✓ Backup Considerations
- ✓ Performance Monitoring
- ✓ Environment Management

Module 13: Performance Optimization and Troubleshooting

- ✓ Performance Analysis
- ✓ Query Optimization
- ✓ AML Performance
- ✓ Method Optimization
- ✓ Workflow Performance
- ✓ Error Diagnosis
- ✓ Troubleshooting Techniques

Module 14: Enterprise Integration Project

- ✓ ERP Integration
- ✓ CAD Integration
- ✓ Third-Party Applications

- ✓ Data Synchronization
- ✓ Integration Architecture
- ✓ Business Scenarios

Module 15: End-to-End Technical Implementation

- ✓ Data Model Design
- ✓ ItemType Development
- ✓ Form Customization
- ✓ Workflow Development
- ✓ AML Implementation
- ✓ Server Method Development
- ✓ API Integration
- ✓ Package Deployment
- ✓ Security Configuration
- ✓ Final Capstone Project