SAP MII Training

COURSE CONTENT

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business 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; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

SAP Manufacturing Integration and Intelligence (SAP MII) is a powerful solution that connects business systems with shop floor operations to enable real-time visibility, seamless integration, and intelligent decision-making. The SAP MII Training by Multisoft Systems is designed to equip professionals with the knowledge and skills required to integrate manufacturing processes with enterprise applications, enhance production efficiency, and drive smart factory initiatives.

Module 1: Introduction to SAP MII and System Overview

- ✓ Overview of SAP MII and its role in manufacturing
- ✓ SAP MII Architecture and Core Components
- ✓ Integration with SAP ERP and Shop Floor Systems
- ✓ Real-Time Data Acquisition and Processing

Module 2: SAP MII Workbench and Navigation

- ✓ SAP MII Workbench Overview
- ✓ Navigation within MII Workbench
- ✓ Project and Folder Structure
- ✓ Building MII Applications

Module 3: Data Services and Query Templates

- ✓ SQL Query Templates
- ✓ Transaction Queries
- ✓ BLS (Business Logic Services) Overview
- ✓ Working with JDBC Connections

Module 4: Business Logic Services (BLS) and Transactions

- ✓ BLS Components and Actions
- ✓ Creating and Testing BLS Transactions
- ✓ Error Handling in BLS
- ✓ Data Manipulation and Transformation

Module 5: SAP MII Visualization and Display Templates

- ✓ SAP MII Display Templates
- ✓ KPI Dashboards and Real-Time Displays
- ✓ Using HTML5 and JSP Pages in MII
- ✓ Linking BLS Transactions with Visual Components

Module 6: Integration with SAP ERP and MES Systems

- ✓ ERP Connectivity and Data Exchange
- ✓ Integration with SAP ME and Shop Floor Equipment
- ✓ Working with Web Services and IDocs
- ✓ Real-Time Manufacturing Integration

Module 7: Plant Connectivity (PCo) and Data Collection

- ✓ SAP PCo Overview
- ✓ Configuring PCo Agents and Data Servers
- ✓ Real-Time Equipment Data Collection
- ✓ Integrating PCo with SAP MII BLS

Module 8: XML, Web Services, and Data Parsing in SAP MII

- ✓ XML and XSLT Processing in SAP MII
- ✓ Web Service Calls and Responses
- ✓ JSON Data Processing
- ✓ Data Conversion Between Systems

Module 9: Performance Monitoring, Logging, and Troubleshooting

- ✓ Performance Tuning in BLS Transactions
- ✓ Logging Mechanisms and Debugging Techniques
- ✓ System Health Monitoring Tools
- ✓ Common Errors and Resolution Strategies

Module 10: SAP MII Best Practices and Security Management

- ✓ MII Development Standards

- ✓ User Roles, Authentication, and Authorization
- ✓ Transport Management and Versioning
- ✓ Secure Integration with External Systems