

AIOPS - ARTIFICIAL INTELLIGENCE FOR IT OPERATIONS

Training Curriculum

AIOPS - ARTIFICIAL INTELLIGENCE FOR IT OPERATIONS

Module 1: Introduction to AIOps - Fundamentals and Architecture

- ✓ Introduction to AIOps concepts
- ✓ Evolution from traditional monitoring
- ✓ Platform architecture
- ✓ Key components
- ✓ Business use cases across industries

Module 2: Data Collection and Integration

- ✓ Log aggregation
- ✓ Metrics collection
- ✓ Event ingestion
- ✓ API integrations
- ✓ Agent deployment
- ✓ Data normalization for unified observability

Module 3: Machine Learning for IT Operations

- ✓ Anomaly detection algorithms
- ✓ Pattern recognition
- ✓ Baseline establishment
- ✓ Supervised learning models for operational intelligence
- ✓ Unsupervised learning models for operational intelligence

Module 4: Event Correlation and Root Cause Analysis

- ✓ Event correlation techniques
- ✓ Topology-aware analysis
- ✓ Dependency mapping
- ✓ Noise reduction
- ✓ Automated root cause identification

AIOPS - ARTIFICIAL INTELLIGENCE FOR IT OPERATIONS

Module 5: Predictive Analytics and Forecasting

- ✓ Capacity planning
- ✓ Performance forecasting
- ✓ Failure prediction
- ✓ Trend analysis
- ✓ Proactive incident prevention strategies

Module 6: Automation and Remediation

- ✓ Automated remediation workflows
- ✓ Runbook automation
- ✓ Self-healing infrastructure
- ✓ ChatOps integration
- ✓ Intelligent ticketing

Module 7: AIOps Platforms and Tools

- ✓ Hands-on with leading AIOps platforms: Splunk ITSI
- ✓ Dynatrace
- ✓ Moogsoft
- ✓ BigPanda
- ✓ ServiceNow ITOM
- ✓ Cloud-native solutions

Module 8: Real-World Implementation Projects

- ✓ Hands-on capstone project covering end-to-end AIOps implementation
- ✓ Platform configuration
- ✓ ML model training
- ✓ Production deployment

Get In Touch



TechBrainz Consulting PVT.LTD

HD-041 13th Floor, Salarpuria Sattva Magnificia,
78, Old Madras Rd, near TIN Factory,
Bengaluru, Karnataka 560016



Phone

+91-9538 345 567



Email

trainings@techbrainz.com



Website

www.techbrainz.com