

AI OPS TRAINING

COURSE OVERVIEW

AIOps (Artificial Intelligence for IT Operations) refers to the use of artificial intelligence (AI) and machine learning (ML) to automate and enhance IT operations. It helps organizations manage complex, dynamic, and data-heavy IT environments by improving observability, event correlation, anomaly detection, and incident response.

A detailed AIOps training program covers both the technical foundations and practical applications of AI/ML in IT operations.

COURSE CONTENTS

1. INTRODUCTION TO AIOPS
2. DATA COLLECTION AND INTEGRATION
3. MACHINE LEARNING FUNDAMENTALS
4. ANOMALY DETECTION
5. EVENT CORRELATION AND ANALYSIS
6. PREDICTIVE ANALYTICS
7. ROOT CAUSE ANALYSIS
8. WORKFLOW AUTOMATION
9. COGNITIVE INTELLIGENCE
10. PERFORMANCE MONITORING AND OPTIMIZATION
11. AIOPS IMPLEMENTATION
12. FUTURE TRENDS IN AIOPS

1. Introduction to AIOps

- Understanding AIOps and its significance
- Key concepts in AIOps
- AIOps vs. traditional IT operations
- Benefits and challenges of implementing AIOps
- AIOps tools and technologies overview

2. Data Collection and Integration

- Data sources for AIOps
- Log data collection and analysis
- Metrics and performance data integration
- Tracing and correlation of data
- Data quality and normalization

3. Machine Learning Fundamentals

- Introduction to machine learning in AIOps
- Supervised vs. unsupervised learning
- Feature engineering and selection
- Model training and evaluation
- Applying machine learning to IT operation

4. Anomaly Detection

- Detecting anomalies and outliers
- Threshold-based vs. statistical anomaly detection
- Machine learning-based anomaly detection
- Root cause analysis for anomalies
- False positives and negatives in anomaly detection

5. Event Correlation and Analysis

- Event correlation techniques
- Topological and causal event correlation
- Pattern recognition for event analysis
- Incident management and resolution
- Automating event responses

6. Predictive Analytics

- Forecasting and trend analysis
- Predictive modeling for capacity planning
- Anticipating resource utilization
- Predictive maintenance use cases
- Evaluation of predictive models

7. Root Cause Analysis

- Identifying root causes of issues
- Impact analysis and dependency mapping
- Correlation of data across IT infrastructure
- Visualizing root cause relationships
- Automated root cause determination

8. Workflow Automation

- Workflow orchestration and automation
- Event-driven automation
- Integration with IT service management
- Automating incident response
- Implementing playbooks and runbooks

9. Cognitive Intelligence

- Natural language processing (NLP) in AIOps
- Sentiment analysis and chatbots
- Human-AI collaboration in IT operations
- Cognitive insights from unstructured data
- Ethical considerations in cognitive intelligence

10. Performance Monitoring and Optimization

- Real-time performance monitoring
- Application and infrastructure performance
- Optimizing resource allocation
- Continuous improvement strategies
- Balancing performance and cost

11. AIOps Implementation

- Steps to implement AIOps
- Organizational readiness and culture
- Data governance and security in AIOps
- Selecting and evaluating AIOps tools
- Best practices for successful AIOps adoption

12. Future Trends in AIOps

- Emerging technologies in AIOps
- AI-driven autonomous operations
- The role of AIOps in DevOps and SRE
- Challenges and opportunities in AIOps evolution
- Preparing for the future of IT operations

DURATION: 1.5 MONTHS

SCHEDULE: 3 BATCHES

Weekend Batch - Sat and Sun 11 am - 3pm

Weekday Batch - Mon, Wed, Thur 6pm -8pm

Weekday Batch - Mon, Wed, Thur 11am -1pm

MODE OF TRAINING: Online (MS teams)

TARGET JOBS:

AIOPS ENGINEER / SPECIALIST, AIOPS ARCHITECT,

AIOPS ENGINEER/ ML ENGINEER

BENEFITS :

- **Recorded sessions:** Every session will be recorded in Ms Teams so that you can review the class any time upto 3 months.
- **Course material:** Every session will be backed up by the course content in pdfs, docs and excel so that it will help for further learning and homework.

AVG SALARY IN UK: 35-40K

RECENT TESTIMONIAL FROM KARTHIKEYAN:

“I am a Data Scientist actively seeking placement opportunities in the UK. During my search, I discovered IT Talent Hub and utilized their services. Thanks to their assistance, I am now successfully placed in a reputable company. I am immensely grateful to the department faculty, Subash and Swapna, as well as Director Sree Ram, and the placement cell for their invaluable guidance throughout the process. My experience with IT Talent Hub and its placement procedure was truly exceptional. The placement cell exhibited thorough knowledge and provided support at every stage”

RECENT TESTIMONIAL FROM POOVALAZHI



TO KNOW MORE DETAILS AND FEE STRUCTURE

Contact us



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**SUITE 1, 3RD FLOOR, FOREST HOUSE, 16-20 CLEMENTS RD,
ILFORD, LONDON IG1 1BA**



DISCOUNT:

Many discounts like Student, Alumni, Referral etc available.

General FAQ :

1.Duration of the course

1.5 months

2.Do you provide materials for the course?

YES. Running notes, Admin guides etc, teams recordings.

3. What is the course fee?

The fee for the total duration of the course, including tutor fees, course material is £999.

4. What courses do you offer for students?

AI Testing

AI Consultant/Engineering

AI Ops

AI development

5. Is the course refundable?

Yes, if you don't like the training within a week we can transfer you to new course to a new batch or Refund.

6. Payment Plan

o Yes, we have a special plan to pay in 3 instalments for students. The total fee of £999 which is payable in 3 instalments:

☐ £200 (Refundable) - Deposit to enrol in the course

☐ 50% of balance - After 2 weeks of the course

☐ Rest of the payment - After 4 weeks of the course

7. Can I do this course outside the UK?

o Yes, we have students from different countries who are doing the course.

8. What is the fee for students outside the UK?

o Depends upon the currency. Please contact us for more details via WhatsApp - +44 7352 449736

9. Is it a live session or recorded session?

o It's a live session which is recorded for future reference for the students.

10. What are the timings of the course?

o Weekdays: Mon/Wed/Thu - 11 AM - 1 PM (OR) 6 PM - 8 PM (6 hours per week)

o Weekends: Sat and Sun - 10 AM - 1 PM or 2PM - 5PM (6 hours per week)

11. What if I miss a session?

o You can always go through the recording of the class you missed. If you have any doubts, you can connect with the trainer.

12. Is the course interactive?

o Yes, it is a live class. During the class, the trainer will discuss some technical questions.

13. Who will be the trainer?

o Trainers are all 10-15+ years experienced professionals working in multinational companies, who will help you with their real-time experience.

14. What if I join in the middle of the course?

o Based on your profile, you can join in the middle of the course. Our trainer will take catch-up sessions to cover the topics that have been covered so far in the class.



16. What if I want to discontinue in the middle of the course?

o We don't encourage discontinuation. However, in an emergency, please contact us. We will put you in a different batch and discuss individual circumstances.

