

AIOps Foundation Certification (GSDC)

OEM: Global Skill Development Council • Duration: 2 Days (16 hrs) • Code: GSDC-AIOps

COURSE MODULES & TOPICS

1 Introduction to AIOps

- Definition and Origins — Understanding AIOps and its evolution from traditional IT Operations
- Business Drivers — Why organizations are adopting AIOps
- Benefits and Challenges

2 Core Technologies and Tools

- Big Data — Understand how Big Data can be used to collect, store, and process massive volumes of data
- Machine Learning — Understand various machine learning techniques used in AIOps
- Data Visualization — Understand how data visualization tools can help to understand patterns and insights from complex data sets

3 AIOps Processes and Use Cases

- Data Collection and Ingestion
- Data Normalization and Enrichment
- Anomaly Detection and Root Cause Analysis
- Performance Monitoring and Optimization
- Predictive Maintenance and Automation

4 AIOps Platforms and Implementation Strategy

- Overview of AIOps Platforms
- Integration with Existing IT Systems
- Key Considerations for Adoption
- Building an AIOps Strategy
- Measuring AIOps Success

5 Relationship with Other Disciplines

- AIOps and DevOps
- AIOps and Site Reliability Engineering (SRE)
- AIOps and MLOps

- AIOps and Security

6 Future Trends in AIOps

- Emerging Technologies — Latest advancements shaping the future
- The Role of AIOps in Emerging Technologies

7 Organizational Transformation Through AIOps

- Identifying Skills and Roles Needed for AIOps Initiatives
- Organizational Change Management and Communication Strategies
- Creating a Data-Driven Culture in IT Operations
- Governance, Ethics, and Responsible AI Use in AIOps
- AIOps Adoption Maturity Models and Assessment Frameworks

8 Personalized Mentorship and Expert Strategy Session

- One-on-One Mentor Connect with Subject Matter Expert
- Dedicated 1-hour private session with an experienced AIOps strategist
- Get your technical and strategic questions answered
- Discuss platform selection, data integration, and implementation plans

9 Tools, Certifications & Real-World Case Studies

- Overview of Common AIOps Tools and Platforms
- Sample Implementation Templates and Dashboards
- Real-World Case Studies from Telecom, Finance, and Cloud-Native Enterprises
- Capstone Project: Designing an AIOps Strategy for a Simulated Enterprise
- Certification Preparation: AIOps Foundation, AI & ML for IT Professionals