

24-Hour Course TOC: Asset Management

Module 1: Introduction to Asset Management

- Overview of Asset Management
- Types of Assets: Physical, Financial, Digital
- Importance of Asset Management in Organizations
- Asset Management Standards (ISO 55000 Series)
- Role and Responsibilities of an Asset Manager

Module 2: Asset Lifecycle Management

- Phases of Asset Lifecycle: Planning, Acquisition, Operation, Maintenance, Disposal
- Lifecycle Costing and Total Cost of Ownership (TCO)
- Asset Utilization and Optimization
- Performance Measurement and Key Metrics
- Case Studies on Effective Asset Lifecycle Management

Module 3: Strategic Asset Planning

- Aligning Assets with Organizational Goals
- Asset Investment and Portfolio Management
- Risk Assessment and Management in Asset Planning
- Budgeting and Financial Planning for Assets
- Decision-making Models for Asset Management

Module 4: Maintenance and Reliability

- Preventive, Predictive, and Corrective Maintenance
- Reliability-Centered Maintenance (RCM)
- Maintenance Planning and Scheduling
- Failure Analysis and Root Cause Investigation
- Tools and Techniques for Asset Reliability

Module 5: Risk, Compliance, and Sustainability

- Identifying and Mitigating Asset Risks
- Regulatory Compliance and Legal Considerations
- Environmental and Sustainability Considerations
- Health and Safety in Asset Management
- Auditing and Reporting Practices

Module 6: Technology and Innovation in Asset Management

- Role of Asset Management Software and ERP Systems
- Digital Twins, IoT, and Smart Asset Management
- Data Analytics for Asset Performance Optimization

- Emerging Trends and Innovations in Asset Management
- Case Studies on Digital Transformation in Asset Management