# Training Course on Supervisory Technology (SupTech) and Regulatory Technology (RegTech)

Professional Development Training Course Outline

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|---|---|---|---|
| **Category** | Banking Institute | **Duration** | 5 Days |
| **Base Fee** | $1,500 USD | **Delivery Mode** | Online / On-site Hybrid |

## Course Introduction

As digital transformation redefines the financial sector, Supervisory Technology (SupTech) and Regulatory Technology (RegTech) have emerged as essential tools for enhancing compliance, transparency, and operational efficiency. Training Course on Supervisory Technology (SupTech) and Regulatory Technology (RegTech) provides a cutting-edge exploration of how financial regulators and institutions can leverage artificial intelligence, blockchain, big data, and cloud computing to modernize oversight and risk management practices. By focusing on innovation, automation, and data analytics, this course ensures a competitive edge in today's fast-evolving regulatory landscape.

Designed for forward-thinking professionals, this program addresses real-world implementation, risk mitigation, and compliance strategies using SupTech and RegTech. Through practical modules and global case studies, learners will explore tools that improve regulatory reporting, enhance fraud detection, and foster proactive supervisory frameworks. This immersive training bridges the gap between emerging technologies and regulatory frameworks with a practical, industry-aligned approach.

## Programme Curriculum

**Training Course on Supervisory Technology (SupTech) and Regulatory Technology (RegTech)**

**Introduction**

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**Course Objectives**

1. Understand the fundamentals of SupTech and RegTech in digital financial ecosystems
2. Explore AI-driven compliance and machine learning algorithms for regulatory automation
3. Examine real-time monitoring systems for enhanced risk and fraud detection
4. Evaluate the role of blockchain technology in secure data and transaction transparency
5. Integrate big data analytics for effective supervisory decision-making
6. Assess regulatory reporting frameworks powered by cloud-based solutions
7. Analyze global Regulatory Sandboxes and innovation hubs
8. Explore API integrations for seamless data exchange and compliance workflows
9. Understand cybersecurity and privacy regulations in digital compliance
10. Apply predictive analytics in supervisory risk modeling
11. Navigate the global regulatory landscape and cross-border compliance
12. Identify cost optimization and efficiency gains through automation
13. Design and implement a RegTech roadmap for institutional transformation

**Target Audience**

1. Financial Regulators
2. Compliance Officers
3. Risk Management Professionals
4. FinTech Developers
5. Auditors & Consultants
6. Legal & Regulatory Analysts
7. Technology Officers (CTOs, CIOs)
8. Banking Executives & Supervisors

**Course Duration:** 5 days

**Course Modules**

**Module 1: Introduction to SupTech & RegTech**

- Definition, scope, and evolution of SupTech and RegTech
- Regulatory frameworks and digital transformation
- Key global initiatives and ecosystems
- Benefits and challenges of implementation
- Key players and platforms in the RegTech industry
- **Case Study:** Singapore’s MAS and FinTech Regulatory Sandbox

**Module 2: AI & Machine Learning in Regulatory Oversight**

- Role of AI in automated compliance
- Machine learning for pattern recognition and fraud detection
- NLP for legal and regulatory documentation analysis
- AI bias and model governance
- Real-time decision-making tools
- **Case Study:** UK's FCA using ML for market surveillance

**Module 3: Big Data Analytics in Supervision**

- Data sourcing and ingestion frameworks
- Data lakes vs. warehouses for regulatory data
- Visualization tools for supervisory insights
- Predictive vs. descriptive analytics
- Data privacy and ethical concerns
- **Case Study:** European Central Bank's AnaCredit project

**Module 4: Blockchain & Distributed Ledger Technology**

- Understanding DLT for regulatory use
- Smart contracts and regulatory compliance
- Immutable ledgers for audit trails
- Blockchain in KYC/AML processes
- Tokenization of compliance assets
- **Case Study:** Estonia's use of blockchain in government regulation

**Module 5: Cloud & API-Based Compliance Infrastructure**

- Cloud-native compliance solutions
- API integration for cross-platform data access
- Real-time reporting and dashboards
- Cost efficiency through cloud migration
- Cloud security standards and risks
- **Case Study:** SEC's move to cloud for EDGAR system modernization

**Module 6: Cybersecurity and Data Protection**

- Key cybersecurity frameworks (NIST, ISO 27001)
- Encryption and secure data transmission
- Regulatory obligations under GDPR and other laws
- Incident detection and response mechanisms
- Role of SupTech in breach reporting
- **Case Study:** Australian Prudential Regulation Authority's cyber-resilience mandates

**Module 7: Global Regulatory Innovations & Sandboxes**

- Regulatory sandbox models and their impact
- Innovation hubs for FinTech and RegTech startups
- Risk-based vs. rules-based regulation
- Public-private collaboration in regulatory tech
- Lessons from international implementations
- **Case Study:** Dubai's DIFC Innovation Hub

**Module 8: Designing an Enterprise RegTech Strategy**

- Assessing readiness and aligning goals
- Choosing the right technology stack
- Governance, change management, and upskilling
- Budgeting, ROI analysis, and funding
- Metrics and KPIs for success tracking
- **Case Study:** JPMorgan Chase's enterprise RegTech roadmap

**Training Methodology**

- Interactive instructor-led sessions

- Hands-on demonstrations with live tools
- Group discussions and peer reviews
- Real-world case study analysis
- Capstone project to apply learning in a strategic framework

**Register as a group from 3 participants for a Discount**

**Send us an email: info@fineskilltrainingcenter.org or call** *+254769199797*

***Certification***

*Upon successful completion of this training, participants will be issued with a globally- recognized certificate.*

***Tailor-Made Course***

*We also offer tailor-made courses based on your needs.*

**Key Notes**

**a.** The participant must be conversant with English.

**b.** Upon completion of training the participant will be issued with an Authorized Training Certificate

**c.** Course duration is flexible and the contents can be modified to fit any number of days.

**d.** The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

**e.** One-year post-training support Consultation and Coaching provided after the course.

**f.** Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

## Upcoming Scheduled Sessions

| Start Date | End Date | Location | Price |
|---|---|---|---|
| **23 Nov 2026** | 27 Nov 2026 | Online | $1,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $1,500 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $3,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $3,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $6,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $4,500 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $6,000 |

| Start Date | End Date | Location | Price |
|---|---|---|---|
| **23 Nov 2026** | 27 Nov 2026 | Physical | $6,000 |

Ready to enroll or request a customized program? Book online or contact us:

**Register Online Now**

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com