

# 5-Day TOC: AI in Financial Accounting & Cryptocurrency Programme

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## Day 1: Digital Disruption, FinTech & AI in Financial Data

### Module 1: Technical Disruption in the Finance World

- Evolution of finance: Traditional → Digital → AI-driven
- Understanding FinTech ecosystem and applications
- Key technologies:
  - Big Data
  - Cloud Computing
  - Biometrics in finance

### Module 2: AI in Financial Data Management

- Automating data entry & categorization using AI
- Enhancing data accuracy and integrity
- AI-driven data analytics techniques
- Data governance and security in AI systems

### Practical Workshop

- AI tools demo (Excel AI / Copilot / automation tools)
  - Case: Automating accounting entries & data cleansing
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## Day 2: AI in Forecasting, Planning, Audit & Compliance

### Module 3: AI in Financial Forecasting & Planning

- AI-based budgeting and forecasting
- Predictive analytics for financial health assessment
- Scenario planning using AI models
- Risk identification and mitigation using AI

### Module 4: AI in Audit & Compliance

- AI in auditing processes
- Continuous auditing & real-time compliance
- Fraud detection using AI algorithms
- AI in regulatory compliance frameworks

### Practical Workshop

- Build a **forecasting model using AI tools**
  - Case: Fraud detection using anomaly analysis
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## Day 3: AI in Taxation & Cryptocurrency Fundamentals

### Module 5: AI in Taxation

- AI in tax automation and compliance
- Predictive tax planning strategies
- Managing complex tax regulations using AI
- Risk-based tax assessments

### Module 6: Introduction to Cryptocurrencies

- What are cryptocurrencies?
- Crypto vs fiat vs digital assets
- Types: Bitcoin, Ethereum, others
- Blockchain fundamentals

## Module 7: Regulatory & Practical Challenges

- Legal, economic, and tax issues
- Global regulatory landscape
- Risks in crypto adoption

### Practical Workshop

- Case: Crypto transaction lifecycle
  - Demo: Blockchain explorer analysis
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## Day 4: Accounting & Valuation of Cryptocurrencies

### Module 8: Accounting Classification

- Crypto as:
  - Inventory
  - Intangible assets
  - Financial instruments
- Business model-based classification

### Module 9: Accounting Treatment (IFRS Based)

- IFRS 9, IAS 38, IAS 2 applicability
- Recording crypto transactions
- Key accounting challenges

### Module 10: Valuation of Cryptocurrencies

- Historical cost vs fair value
- Price volatility impact
- Tax and transaction fee treatment

### Practical Workshop

- Case: Journal entries for crypto transactions
- Valuation exercise with price fluctuations

## Day 5: Disclosure, Governance, Ethics & Capstone Case Study

### Module 11: Disclosure & Financial Reporting

- IFRS disclosure requirements
- Notes to financial statements
- Transparency in reporting crypto assets

### Module 12: Governance, Risk & Compliance

- AML implications in crypto
- Transaction risks & controls
- Auditing cryptocurrency transactions

### Module 13: Ethics & Professional Responsibility

- Ethical decision-making in AI & crypto
- NOCLAR and fraud risk response
- Advisory responsibilities

### Capstone Case Study (End-to-End)

- AI-based accounting system + crypto transactions scenario
- Tasks:
  - Classification
  - Accounting treatment
  - Valuation
  - Disclosure
- Group presentation & solution discussion