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**INTRODUCTION TO FIN-TECH – by eDX**

**Module 1 What is FinTech?**

* FinTech Transformation
* FinTech Evolution 1.0: Infrastructure
* FinTech Evolution 2.0: Banks
* FinTech Evolution 3.0 & 3.5: Startups and Emerging Markets
* **Industry Showcase:** Collaboration between Financial Institutions and Startups
* FinTech Typology
* Emerging Economics: Opportunities and Challenges
* From too-Small-To-Care to Too-Big-To-Fail
* Introduction to Regulation
* **Industry Showcase:**The Future of RegTech and 6 Technologies Impacting It

**Module 2 Payments, Cryptocurrencies and Blockchain**

* Individual Payments
* Developing Countries and DFS: The Story of Mobile Money
* Developing Countries and DFS: Regulation of Mobile Money
* RTGS Systems
* The ABCDs of Alternative Finance
* Building a New stack
* Cryptocurrencies
* **Industry Showcase**: Legal and Regulatory Implications of Cryptocurrencies
* What is Blockchain?
* **Industry Showcase:** The Benefits from New Payment Stacks (Applications of Ripple)

**Module 3 Digital Finance and Alternative Finance**

* A Brief History of Financial Innovation
* Digitization of Financial Services
* FinTech & Funds
* **Industry Showcase:** How AI is Transforming the Future of FinTech
* **Industry Showcase:** Ensuring Compliance from the Start: Suitability and Funds
* Crowdfunding – Regards, Charity and Equity
* P2P and Marketplace Lending
* The Rise of Chinese TechFins – New Models and New Products
* What is an ICO?

**Module 4 FinTech Regulation and RegTech**

* FinTech Regulations
* Evolution of RegTech
* RegTech Ecosystem: Financial Institutions
* RegTech Ecosystem: Startups
* RegTech Startups: Challenges
* RegTech Ecosystem: Regulators
* **Industry Showcase:** Use Case of AI in Smart Regulation and Fraud Detection
* Regulatory Sandboxes
* Smart Regulation
* Redesigning Better Financial Infrastructure

**Module 5 Data & TechFin**

* History of Data Regulation
* Data in Financial Services
* **Industry Showcase**: Application of Data Analytics in Finance
* European Big-Bang: PSD2 / GDPR / Mifid2
* **Industry Showcase**: PSD2: Open Banking API Will Help Startups
* **Industry Showcase**: Methods of Data Protection: GDPR Compliance and Personal Privacy
* Digital Identity
* Change in mindset: Regulation 1.0 to 2.0 (KYC to KYD)
* AI & Governance
* New Challenges of AI and Machine Learning
* Data, Metadata and Differential Privacy
* Data is the New Oil: Risk of Breach
* **Industry Showcase**: Cybersecurity Industry Update

**Module 6 The Future of Data-Driven Finance**

* Case Study 1: Revolut
* Case Study 2: Alibaba
* Case Study 3: Aadhaar
* Case Study 4: Credit Karma
* Case Study 5: Digibank
* Conclusion to Case Studies
* FinTech Big Trends - Looking Forward