



B.Com Honours

Semester V

Calicut University

FUNDAMENTALS OF INVESTMENT BANKING

Course Code: COM5EJ315 • Module 4 Notes

Module IV: Financial Technology (FinTech) in Investment Banking

Covers FinTech innovations, Blockchain, Cryptocurrencies, Algorithmic Trading, Robo-Advisors, enterprise applications (Aladdin & Charles River), and financial data platforms (Bloomberg & Refinitiv).

Unit 18: Role of FinTech, Blockchain, & Cryptocurrencies

FinTech Transformation: Automating capital markets operations. Blockchain & DLT: Tokenization of real-world assets (RWA), smart contracts for instant clearing, & Initial Coin Offerings (ICOs) / Security Token Offerings (STOs).

Unit 19: Algorithmic Trading, Robo-Advisors, & Automation

Algorithmic Trading: Executing large institutional orders using quantitative mathematical models & High-Frequency Trading (HFT).

Robo-Advisors: Automated algorithm-driven wealth management platforms providing portfolio rebalancing at low fees.

Unit 20: Enterprise Trading & Risk Applications (Aladdin & Charles River)

BlackRock Aladdin: Enterprise investment management platform providing end-to-end portfolio management, risk analytics (Value-at-Risk - VaR), & trade execution.

Charles River Investment Management System (CRIMS): Automated order management (OMS) & compliance monitoring suite.

Unit 21: Major Financial Data Platforms Overview

Industry Financial Data Terminals: Bloomberg Terminal (Real-time market data, analytics, & chat network), Refinitiv Eikon / Workspace (Thomson Reuters data feed), & FactSet.

Practical Case Framework 1 (Enterprise Applications Aladdin vs Charles River Matrix): Compare platform developer, core functionality, target users, and key analytical modules.

Enterprise IB Applications Architecture Table:

Enterprise Application	Platform Developer	Core Functional Capabilities
Aladdin Platform	BlackRock Solutions	Unified portfolio management, multi-asset risk analytics (VaR)
Charles River System (CRIMS)	State Street / Charles River	Order Management (OMS), FIX routing, automated pre-trade compliance

Practical Case Framework 2 (Financial Data Terminals Comparison Matrix): Compare terminal provider, primary market focus, unique features, and institutional usage.

Financial Data Terminals Reference Table:		
Data Terminal Platform	Primary Market Focus	Key Unique Value Feature
Bloomberg Terminal	Global Fixed Income & Equity Trading	Instant messaging network (IB Chat) & Real-time pricing
Refinitiv Eikon (Thomson Reuters)	Foreign Exchange & Commodities	Deep FX analytics & Datastream economic historical series
FactSet	Equity Research & M&A Valuation	Comprehensive fundamental data & financial model integration

Acing your exams is just a click away!

Visit www.degreeelive.in to download the next module for free.

DegreeLive