

DAYS	TOPIC OUTLINE
	Time: 10 AM to 6 PM on Sundays
	<u>FT 100: BFSI BASICS & INTRODUCTION TO FINTECH</u>
	<u>FT 101: INTRODUCTION TO BANKING & FINANCIAL SERVICES INDUSTRY</u>
1 to 2	1. BANK'S FINANCIAL STATEMENTS & BUSINESS
	<ul style="list-style-type: none">• Understanding various Banking Business & Product Segments & trade nuances• Understanding traditional sales channels (Live example & walkthrough from websites)• Dissecting Bank's Financials (Comparing and contrasting Bank's Published Financials)
3 to 4	<u>FT 102: REGTECH + COMMON REGULATORY FRAMEWORK - KYC, AML & OTHERS</u>
	<ul style="list-style-type: none">• GDPR, MIFID II, FRTB, BASEL IV, PDPB and more
	<u>FT 200: FOUNDATION FOR INFORMATION TECHNOLOGY</u>
5	<u>FT 201: INTRODUCTION TO PROGRAMMING, LOGIC BUILDING & PSEUDOCODE</u>
	1. WHAT ARE PROGRAMS? STRUCTURE AND FLOW
	2. WHAT ARE ALGORITHMS? ART OF PROBLEM SOLVING & CRITICAL THINKING
	3. VBA
	4. BASIC BUILDING BLOCKS OF PROGRAMS
	<ul style="list-style-type: none">• Operators• Variables, Constants and Arrays• Conditional Statements (If then else, select case, etc.)• Loops (For, For Each, Do while, etc.)
6 to 8	<u>FT 202: PROCESS MINING & ROBOTIC PROCESS AUTOMATION</u>
	1. INTRODUCTION TO RPA
	2. APPLICABILITY OF RPA
	3. VARIOUS TOOLS & TECHNIQUES
	4. DOS & DON'TS OF RPA
	5. HANDS ON RPA CASE STUDIES
	6. BOT LAB
	<u>FT 300: SETTING UP NEW BUSINESS, PRODUCTS AND CHANNELS</u>

DAYS	TOPIC OUTLINE
	<u>FT 301: STARTUP ECOSYSTEM</u>
9 to 11	1. JOURNEY FROM IDEA GENERATION TO MARKET SEGMENTATION AND CUSTOMER TARGETING (CASE STUDIES)
	2. NEW BUSINESS MODEL, CONVERSATION COMMERCE
	3. CREATING BUSINESS PLAN AND BUSINESS PITCH (BASED ON CASE STUDIES AND EXAMPLES)
	4. INDIAN AND GLOBAL SCENARIO - WHAT WORKS AND WHY (CASE STUDIES)
	5. REGULATORY CONSIDERATIONS, TAX BREAKS AND STRUCTURING
12 to 13	<u>FT 302: WHAT IS FINTECH? WHY FINTECH EXISTS? DRIVERS OF CHANGE:</u>
	<ul style="list-style-type: none">• Banking Pre & Post 2008
	<ul style="list-style-type: none">• What is Financial Innovation and How FinTech differs
	<ul style="list-style-type: none">• Increased Competition - New Bank licensing, Payment Banks & Wallets
	<ul style="list-style-type: none">• Steps taken for consumer empowerment
	<ul style="list-style-type: none">• Change in Service delivery and Consumption pattern
	<ul style="list-style-type: none">• Demographic characteristics, Consumer behaviour and Trends
	<u>FT 303: DESIGN THINKING, DIGITAL STRATEGY AND GAMIFICATION</u>
14 to 15	1. GAMIFICATION (CASE STUDIES AND EXAMPLES)
	2. BUILDING DIGITAL STRATEGY WITH GAME THEORY, DIGITAL MARKETING & ANALYTICS
	3. DESIGN THINKING CONSIDERATIONS, CONSUMER BEHAVIOUR AND UI/UX
	(CASE STUDIES AND EXAMPLES)
	MINI PROJECT ON BUSINESS + IT FOUNDATION (FT100+FT200+FT300)
	<u>FT 400: ENABLING TECHNOLOGIES FOR FINTECH</u>
	<u>FT 401: APPLICATION PROGRAMMING INTERFACE (APIs)</u>
16 to 19	WHAT IS AN API? STRUCTURE AND USAGE? REQUEST TYPES & SECURITY CONSIDERATIONS
	<ul style="list-style-type: none">• Everything you need to know about cloud technologies
	<ul style="list-style-type: none">• Lab: Understanding India Stack and other useful APIs
	<ul style="list-style-type: none">• Lab: Integrating different APIs
	MINI PROJECT ON API

DAYS	TOPIC OUTLINE
20 to 25	<u>FT 402: BLOCKCHAIN</u>
	<ul style="list-style-type: none"> What is Distributed Ledger Technology (DLT) and where Blockchain Fits in
	<ul style="list-style-type: none"> Introduction to Hash functions, what is ideal hash and related security considerations
	<ul style="list-style-type: none"> Introduction to Digital Signatures & PKI architecture
	<ul style="list-style-type: none"> Various Consensus Mechanism, Oracles and Future of Blockchains (including Hashgraphs)
	<ul style="list-style-type: none"> Ethereum
	<ul style="list-style-type: none"> Introduction to Block DAG HashGraph & Aurigraph
	<ul style="list-style-type: none"> Permissioned Blockchains : Entire Hyperledger Framework
	<ul style="list-style-type: none"> Lab: Storing simple data structure using Blockchain
	<ul style="list-style-type: none"> Lab: Blockchain Security considerations, standards and auditing
26 to 28	<u>FT 402: CRYPTOCURRENCIES & ICOs</u>
	<ul style="list-style-type: none"> What is Crypto Currency? How it works?
	<ul style="list-style-type: none"> Understanding AltCoins. Mining Algos & Incentives, Different Wallets and usage.
	<ul style="list-style-type: none"> World of Initial Coin Offerings (ICO): Types, Issuance, players, lifecycle and Regulatory challenges
	<ul style="list-style-type: none"> What is smart Contract? Usecase and Practical Nuances
	<ul style="list-style-type: none"> Lab: Creating a simple smart contract and issuing token
	MINI PROJECT ON BLOCKCHAIN
	<u>FT 403: INTRODUCTION TO ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING</u>
29 to 32	<ul style="list-style-type: none"> What is Machine Learning and How is it done? Various algorithms and relevancy (Case studies)
	<ul style="list-style-type: none"> Practical Aspects of ML in real-life implementations
	<ul style="list-style-type: none"> Lab: Hands on Machine learning for Finance, AutoML (Microsoft, Machinate, IBM, Google)
	MINI PROJECT ON AI/ML
	<u>FT 404: BIG DATA & DATA VISUALISATION</u>
33 to 34	<ul style="list-style-type: none"> What is Big Data? How is it different? When to use it?
	<ul style="list-style-type: none"> Understanding Different Big Data frameworks, pros & cons and selection process (Case Studies)
	<ul style="list-style-type: none"> Lab: Hands on Big Data Analytics with real-life datasets
	MINI PROJECT ON BIG DATA

DAYS	TOPIC OUTLINE
35 to 37	<u>FT 405: INTERNET OF THINGS AND INTERNET ON THINGS</u>
	<ul style="list-style-type: none">• Understanding the world of IoT. Different Sensors and Usage including smart packaging.
	<ul style="list-style-type: none">• What is internet on things and how is it different from IoT (Case Studies)
	<ul style="list-style-type: none">• Lab: Introduction to Raspberry Pi 3 & Raspbian OS
	<ul style="list-style-type: none">• Lab: Using Python and Mathematica to access GPIO and Sensors
	<u>FT 500: PAYMENTS</u>
38 to 39	<u>FT 501: CONSUMER AND RETAIL PAYMENTS</u>
	1. INTRODUCTION TO PAYMENT ECOSYSTEM, PLAYERS, PROCESSES, MODES AND VARIOUS CHARGES
	2. INNOVATION IN CONSUMER AND RETAIL PAYMENTS LED BY GOVT & PRIVATE SECTOR
	(CASE STUDIES & EXAMPLES)
	3. RELEVANT REGULATIONS (PSD2, OPEN BANKING) AND NEW PAYMENTS BANKS
	4. INNOVATIVE PRODUCTS IN MOBILE BASED, PERSON TO PERSON, CREDIT CARDS, POS BASED
	ECOSYSTEM (CASE STUDIES)
	<ul style="list-style-type: none">• Innovation on both Hardware and Software front
	<ul style="list-style-type: none">• Launch of Innovative new Products
	<ul style="list-style-type: none">• P2P domestic and cross border payments
	<ul style="list-style-type: none">• Micro-transactions and Gamification
40	<u>FT 502: WHOLESALE & CORPORATE PAYMENTS</u>
	<ul style="list-style-type: none">• Harmonisation of standards and markets
	<ul style="list-style-type: none">• B2B & B2B2C solutions, Trade Finance, API Banking
	<ul style="list-style-type: none">• Cash Management Services & Solutions
	<ul style="list-style-type: none">• Import/Export and International Payments
41 to 42	<u>FT 503: USE OF TECHNOLOGY IN PAYMENTS</u>
	<ul style="list-style-type: none">• Use of Blockchain and Crypto currencies in payment (Case Studies)
	<ul style="list-style-type: none">• Use of IoT and Big Data (Case Studies)
	<ul style="list-style-type: none">• Use of AI & ML + Bots (Case Studies)
	<ul style="list-style-type: none">• Integrating different technologies for Segmentation, Risk management and JIT Analytics
	MAJOR GROUP PROJECT ON PAYMENTS DOMAIN USING EMERGING TECHNOLOGIES

DAYS	TOPIC OUTLINE
	<u>FT 600: LENDING</u>
43	<u>FT 601: INTRODUCTION TO LENDING AND PROCESS OF RISK MANAGEMENT</u>
	<ul style="list-style-type: none">• Concept of Capital Adequacy, Capital Optimisation, Capital Planning and Risk Weighted Assets
	<ul style="list-style-type: none">• NPA management, ARC Sale
44 to 46	<u>FT 602: RETAIL & CONSUMER LENDING</u>
	<ul style="list-style-type: none">• Various type of consumer loans products incl. CC. Need for Product Segmentation & Criteria
	<ul style="list-style-type: none">• Measuring Ability to Pay vs Intent to Pay and factors involved
	<ul style="list-style-type: none">• Regulatory Framework for Banks & NBFCs
	<ul style="list-style-type: none">• Lead lifecycle - Traditional vs New Fintech Approach (Case Studies)
	<ul style="list-style-type: none">• Social media based profiling, comparison tools and aggregators (Case Studies)
	<ul style="list-style-type: none">• Dynamic credit rating, Risk management & underwriting (Case Studies)
	<ul style="list-style-type: none">• New Lending models, Crowdsourcing P2P lending approach, Hybrid lending, Crypto Lending & Pool Lending
	<ul style="list-style-type: none">• Financial Inclusion and Frugal Tech (Banking from feature phones & Micro ATM/Bank Mitra)
	<ul style="list-style-type: none">• Lab: Using Credit Counsellor Robo/Bot for faster approvals & funding (Watson+Case studies)
	<ul style="list-style-type: none">• Lab: Utilising data science tools and machine learning for data mining/cross sale (Case Studies)
	MINI PROJECT ON RETAIL & CONSUMER LENDING
47 to 48	<u>FT 603: WHOLESALE & COMMERCIAL LENDING</u>
	<ul style="list-style-type: none">• Various type of wholesale finance requirements, funded and non-funded products
	<ul style="list-style-type: none">• Regulatory Framework Banks & NBFC (specific to wholesale SBL/GBL, provision, monitoring, etc.)
	<ul style="list-style-type: none">• Project Finance and Loan Structuring (Put/Call/Reset/Asset backed)
	<ul style="list-style-type: none">• Risk diversification and Risk recalibration (Syndication, IBPC, PSL, etc.)
	<ul style="list-style-type: none">• SME/MSME Lending: Unique opportunities and Challenges, Solutions and Innovations (Case Studies)
	<ul style="list-style-type: none">• B2B Market Place: Auction Financing, Equity-based crowdfunding, e-Microfinance
49 to 50	<u>FT 700: IMPACT OF FINTECH ON OTHER INDUSTRIES: INSURTECH, WEALTHTECH & REGTECH CONSIDERATIONS</u>
	MAJOR GROUP PROJECT ON OVERALL FINTECH DOMAIN USING EMERGING TECHNOLOGIES