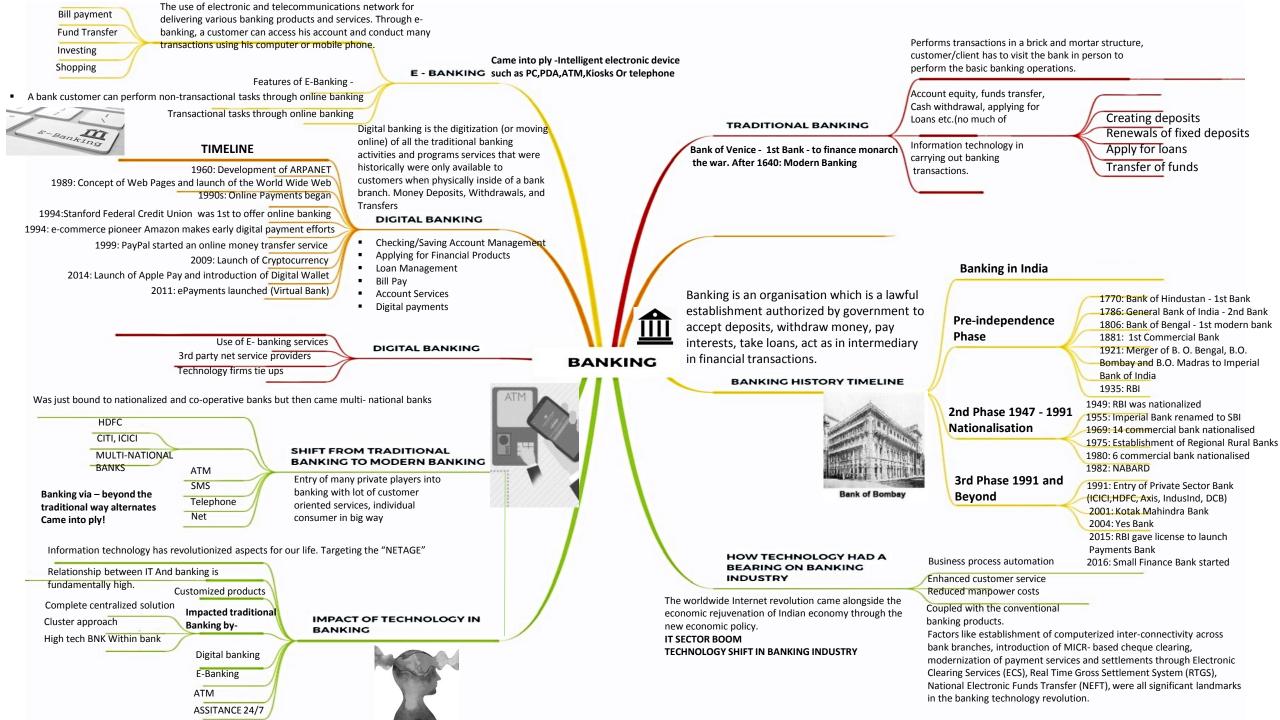
AI & BANKING

By:

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Mrunali Ogriwala



BANKING SYSTEM

TIMELINES	т	1	Μ	E	LI	Ν	ES
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1990s: Electronic Payment Service (ECS) introduce by RBI.

Use to handle bulk and repetitive payment like salary, interest, dividend payments of companies, corporates and institutions. Using ECS payment system, a customer accounts can be credited on a specified date for a specific amount.

CLASSIFICATION OF BANKS

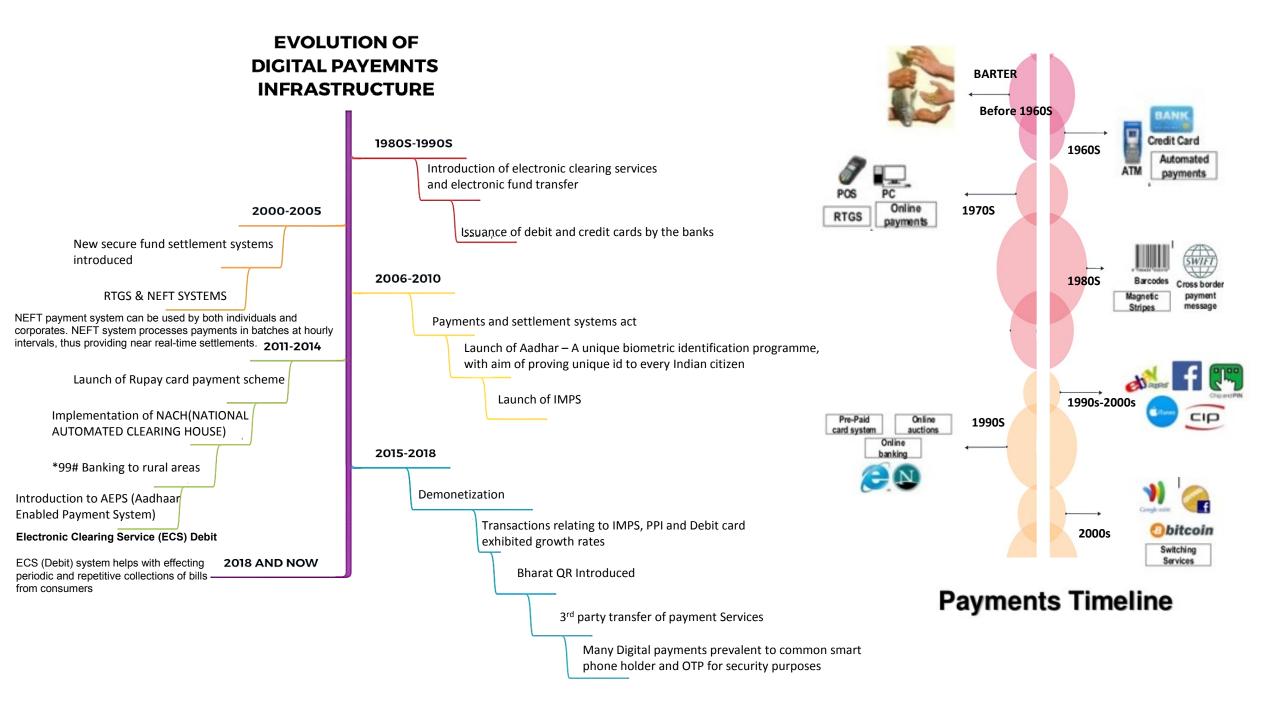
- Commercial bank, public SBI, Other nationalized banks Associate banks
- Private banks Indian , foreign
- Cooperative banks –state, Central and primary credit societies

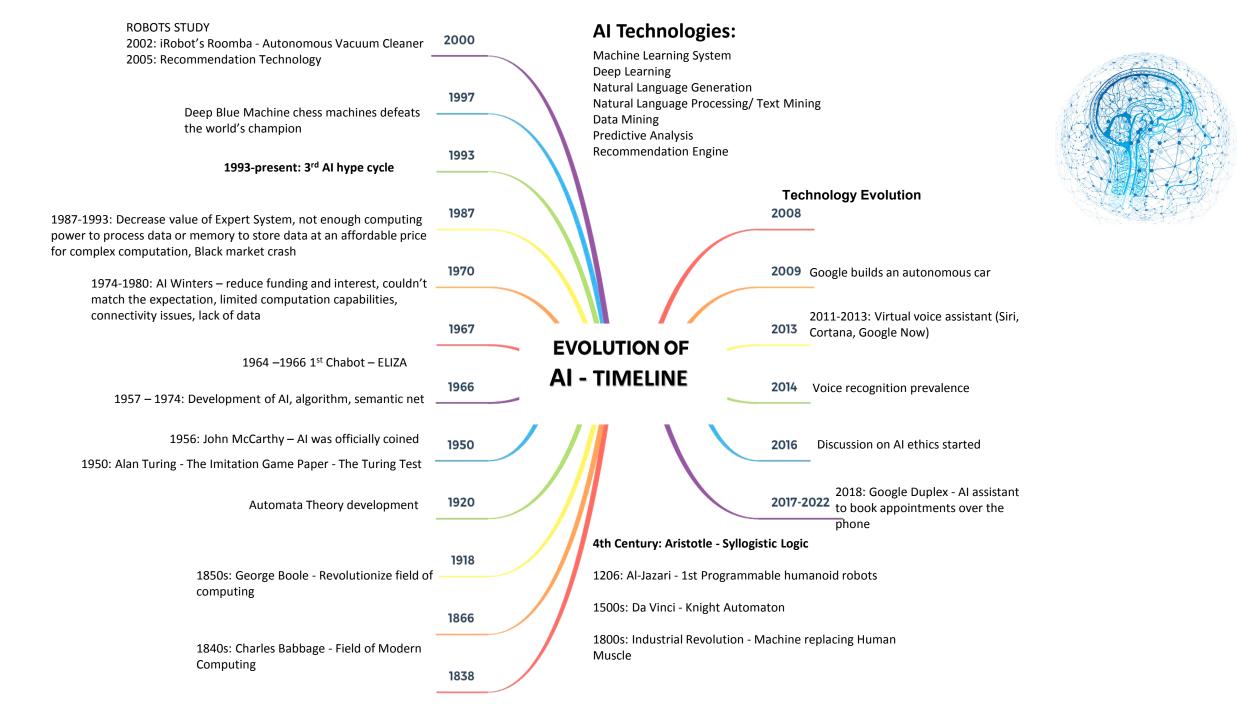
DEVELOPMENT BANKS

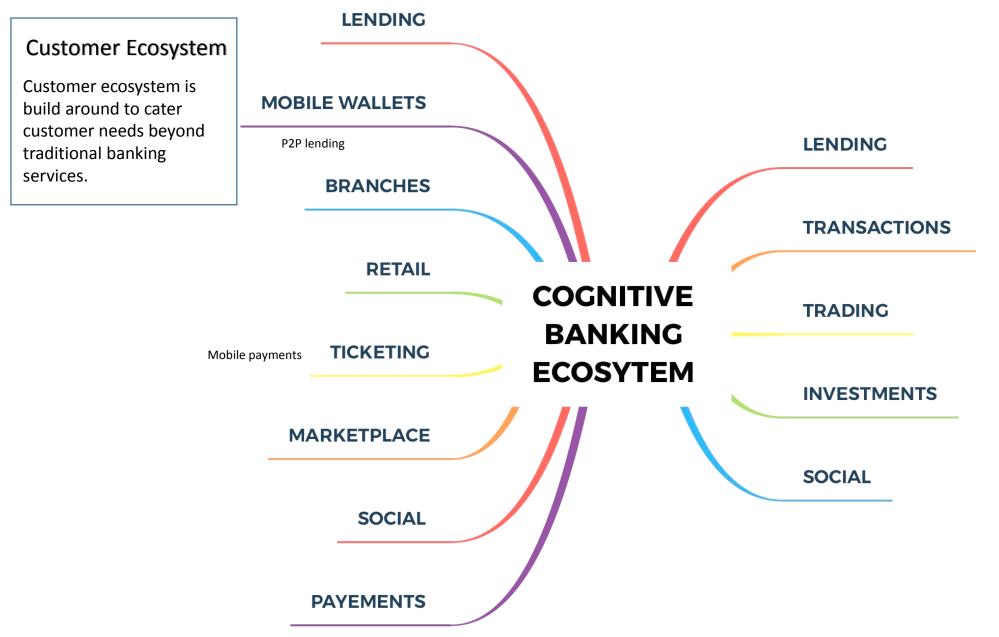
CO OPERATIVE BANKS

Specialized financial institutions .They provide medium and log term to finance and industries and also development banks are multiple financial institutions.

	1 Apr 1935	1 Apr 1935 Reserve Bank of India commences operations. Sir Osborne Smith the first Governor of the Bank The Bank was constituted as a shareholders' bank.					
RBI	Jan 1938		First Reserve Bank notes issued.				
	21 Jun 1938	The Failure of th	e Travancore National and Quilon Bank, the largest bank in the Travancore region, underlined the need for comprehensive banking reform and legislation.				
	3 Sep 1939		Introduction of Exchange Controls in India under Defence of India Rules.				
	11 Mar 1940		RBI Accounting Year changed from Jan-Dec to July-June.				
	9 Jun 1945	Reserve Bank of Inc	lia entrusted with the Currency & Coinage of the British Military Administration of Burma as well as Banker to BMA.				
	12 Jan 1946	High Den	High Denomination Bank Notes of Rs 500, Rs 1000 and Rs 10,000 Demonetized to curb unaccounted money.				
		Jun 2000	Stock Index Futures introduced by as an exchange traded derivative.				
FUNCT	IONS OF RBI	Mar 2001 Kissan Credit Cards introduced.					
Custodians bank Custodian reserves Lenders of to RBI For r	nk Notes government of cash reserves of c of country foreign cur last resort- other bar recue over financial d ERCIAL BANKS	rrency nks comes lifficulties	Schemes to open Offshore Banking Units in Special Economic Zones by banks introduced. These units would be virtually foreign branches of Indian Banks but located in India Risk based supervision of Banks introduced. Demonetization				
		CTOR BANKS					
			Core Banking Products:				
REGIO	NAL RURAL BA	NKS	Finacle: Infosys BaNCS: TCS FLEXCUBE: i-flex (Oracle Financial Service Software)				







Partner Ecosystem

Customer ecosystem is build fintechs will extend bank capabilities and support operational scalability.

FINTECH

Fintech is much more than just a reference to financial technology. It is often referred to as the innovative technology that is used to improve the traditional financial methods and develop effective solutions for financial services which are at par with the latest technological trends.

SERVICES

- Loans
- E-Wallet Services
- Remittance Services
- P2P lending service
- Personal Finance
- Wealth Management
- Insurance Services
- Retail Investment Service
- Funding Service
- Cryptocurrency

Cryptocurrency, crowdfunding

SBI

Launched "Code for Bank" hackathon Currently using AI-based solution developed by Chapdex. It captures the facial expression of customers and helps them in understanding the behaviour. SIA - AI-powered chat assistant

HDFC

AI-based chatbot "Eva" (Electronic virtual assistant) (2017) IRA robot (Intelligent Robotic Assistant)



ICICI

Deployed software robotics across the various function of the company AI-based chatbot iPal (2017)

Axis Bank

Launched an innovation lab called "Thought Factory" to accelerate the development of innovative AI technology solutions for the banking sector. Launched an AI & NLP enabled app Use AI algorithm to authenticate paper checks

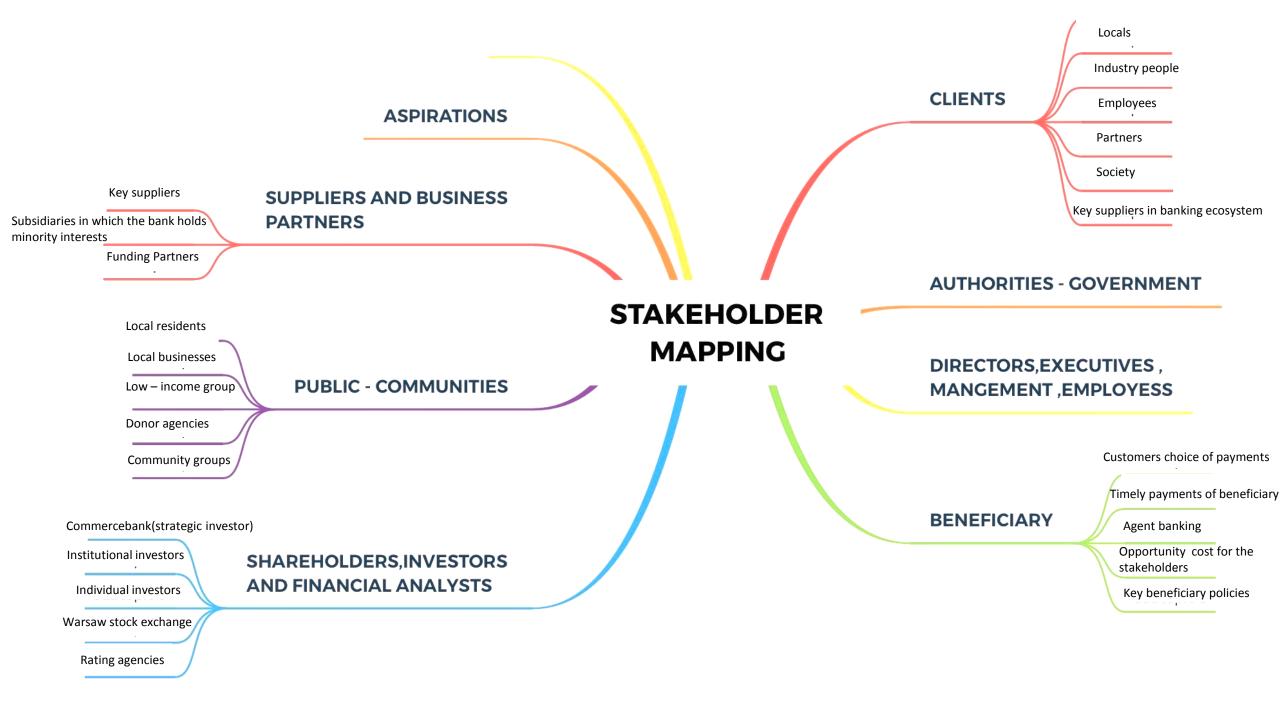
Kotak Mahindra Bank

Keya Chatbot(Active.AI conversational technology)

AI startups **ThirdWatch** (now acquired by Razorpay) is helping to prevent online fraud using their platform Mitra

Artificial intelligence (AI) will empower banking organizations to completely redefine how they operate, establish innovative products and services, and most importantly impact customer experience interventions. In this second machine age, banks will find themselves competing with upstart fintech firms leveraging advanced technologies that augment or even replace human workers with sophisticated algorithms. To maintain a sharp competitive edge, banking corporations will need to embrace AI and weave it into their business strategy

- Fraud and risk management
- Trading and Securities
- Credit Assessment
- Portfolio Management
- Enhance customer experience
- Cognitive Process automation



- Al bots give personal assistant hence no human touch of a manager to make a decision on an emotional basis
- Your personal and private data is constantly scrutinize
- Banks adjust their algorithm to lure you more
- They sell your data and information to other companies in exchange for money without your consent
- Exploit and misuse of personal data
- General AI become more
 prominent over human intelligence

Al in

BANKING

DYSTOPIAN ASPECTS

- Government and bank constantly monitor your activities and interfere with your decisions
- Al-led solutions will replace human behaviour and may cause irrational behaviour in the ecosystem
- AI taking over the bankers and managers and create unemployment
- Algorithms aren't neutral. They can replicate and reinforce bias and misinformation

- 24*7 banking services
- No thefts/frauds as AI-led solutions track the malpractice in real-time
- No standing in the queue as each customer has its personal AI assistant for a personalised solution
- Transaction and money transfer by your virtual assistant
- Meticulously planned loan and personal finance advice according to one's requirement

UTOPIAN ASPECTS

- Well manage management that avoids bankruptcy in future
- Al bot which monitors your spending behaviour and automatically plans your budget
- Suggest the most recent trends in investment and saves you from the potential risk
- No cybercrimes as it stops illicit activities and protects your personal data
- Secure Biometrics environment
- Faster and better decision making
- You can trust the bank with all their secure and transparent infrastructure