India stack & Indias digital revolution of APIs that allows govts, businesses of developers to utilize the interc-operable open source DPI for service delivery . India > world's largest digital public utility goods Stack applied at a billion+ scale 7 Presence-less. Universal digital · biometric unique Technology identification (Aadhar layers > Paperless Digital records move with individuale digital identity leg. Digilocier ashless. Single interface to country's all bank & wallets a consent. Free & secure movement of data to damburatize it. /eg. ekpc, xemburcatization of tech for innovation & Bring ppe into formal economy > Software: Financial inclusion, edu, health services at scale Efficient & leak proof service delivery by gov. >Got G20 stamp of approval Conclusion seing adopted by many > Technological poor nations by Indiasold

India stack:

Aadhar

· UPI e-KYC also

- DigiLocker GSTN too
- ONDC
- OCEN
- DigiYatra
- BBPS
- GeM
- Ayushman Bharat Digital Mission
- UMANG
- Diksha
- E-Sanjeevani

anujjindal.in

Competing models of Digital Eusy stem



> successfully demonstrated at

Benefits of Digital Payment Ecosystem

- 1. Hassles related to obtaining cash vs instant cashless transactions for people.
- 2. Inefficiencies of handling cash & costs involved in cash flow itself.
- 3. Creation of a digital data record/trail that can be used for law enforcement as well as positive aspects like getting easy credit based on reproducible digital transaction history.
- 4. Easy interconnection between consumers, MSMEs and big firms cutting beyond regions, borders and scale.
- 5. Real-time data on liquidity & monetary data to policymakers for instant response.
- 6. Gender financial inclusion, women microentrepreneurs etc. leading to gender financial empowerment as women need not rely on male members to deposit/withdraw/handle cash or access banking services in far off areas.

Women in rural areas have limited mobility and limited networks outside their villages, so financing becomes a challenge. This is where the digital finance ecosystem can aid in building women-led MSMEs and startups.

6. Efficient Govt. delivery like DBT without leakage, esp. helpful during crisis like Covid or a geographically diverse country like India.

All this need not be done by evaporating cash but supplementing cash with cashless infra.

Splinternet

27 April 2022

15:26

- The **splinternet** (also referred to as **cyber-balkanization** or **internet balkanization**) is a characterization of the Internet as splintering and dividing due to various factors, such as technology, commerce, politics, nationalism, religion, and divergent national interests.
- Examples range from as big as the Chinese government erecting the "Great Firewall" for political reasons, and Russia
 enacting the Sovereign Internet Law that allows it to partition itself from the rest of the Internet to small examples such
 as echo chambers created by ideological groups or e-commerce companies for sustaining the cycle of self-validation
 among their followers.
- Researcher Clyde Wayne Crews first used the term in 2001 to describe his concept of "parallel Internets that would be run as distinct, private, and autonomous universes." Modern manifestations of this is seen as countries trying to secure their digital sovereignty over their cyberspaces.

UPI innovations 7 feature phones 1) UPI 123PAY > USSD enabled (full form) Interactive voice Response Missed call boused payments Proximity sound - based payments on-derice wallet (Maz ₹500 per (2) UPI - Lite > No pin + works when & UPI-LiteX bank server congested > NFC enabled offline Retail (3) UPI Tap & Pay, Touch phone with pos device (Integration with smart wearables convertsational payment 4) Hello UPI ! (Text/voice command => payment of longthy paperwork No reed (5) Pre-sanctioned to apply for short-term credit line) predetermined ant. (overdraft facility eg. Buy Now Pay Later format trancial inclusion for poor UPI Intercopercable Outd 698 Cash withdrawal in ATM 6 Money (no physical card => cloning risk x with drawal JUPI QR code based coin vending Delegated payments DUPI circle > secondary users, family, joint ACC. holders etc.

