Technology & Innovation

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Talk summary

- Six examples to illustrate how technology can amplify innovation and innovation can drive technology
  - Microsoft Windows
  - STPI (Software Technology Park, India)
  - *Sulabh Sauchalay*
  - Early days @IIIT-Bangalore
  - *PayTM*
  - *Travelkhana*
- Summary

Microsoft Windows

- Six floppy disks from Ireland
- CD-ROM device
- Universal printer driver
- TCP/IP built-in

STPI

- India had no mainframes
- Mainframes in USA were under-utilized during India's day-time
- Software could be "sent" over the wire
- The "birth" of Indian software services industry
- Measurement is built into the system

Sulabh Sauchalay

- Much before "SaaS" was invented Dr. Bindeshwar Pathak invented "toilet" as "pay per use"

- Toilet design (saves water, gets Carbon credit, no compromise in sanitation levels)

- 2009 Stockholm Water Prize (Nobel Prize on environmental issues)

- Operates in 50+ countries

Early days @ IIIT-Bangalore

- 1999 vintage
  - Laptop for every student
  - Wi-Fi in Library
  - IEEE Digital Library subscription
  - Huawei's first 45 days in India

PayTM

- Mobile Wallet
- Intuitive interface
- Integrated "passbook"
- Imaginative "marketing" PayTM *karo*
- Leveraged de-monetization to the hilt (when ALL ATM's stopped!)
- 200 Million wallets
- 5 Million addition per day in Nov-Dec!

TravelKhana

- 11,000 pairs of long-distance trains (other than sub-urban trains) every day; 22 million people travel every day
- There is so much variety and we "love food"
- Intuitive interface
- IRCTC, Web Services, API, Mobile phones and now PayTM, UPI, BHIM … all make it so viable

Summary

- Innovation is aided by technology
- Technology amplifies innovation
- Use both to reinforce each other
- Even India and Bharat are changing
- Indians are finally solving India's problems!
- Thank you
- Any questions