**V. Srinivasa Rao (VSR)**

Chairman, Smart Cities
Working Group, IET, IOT Panel

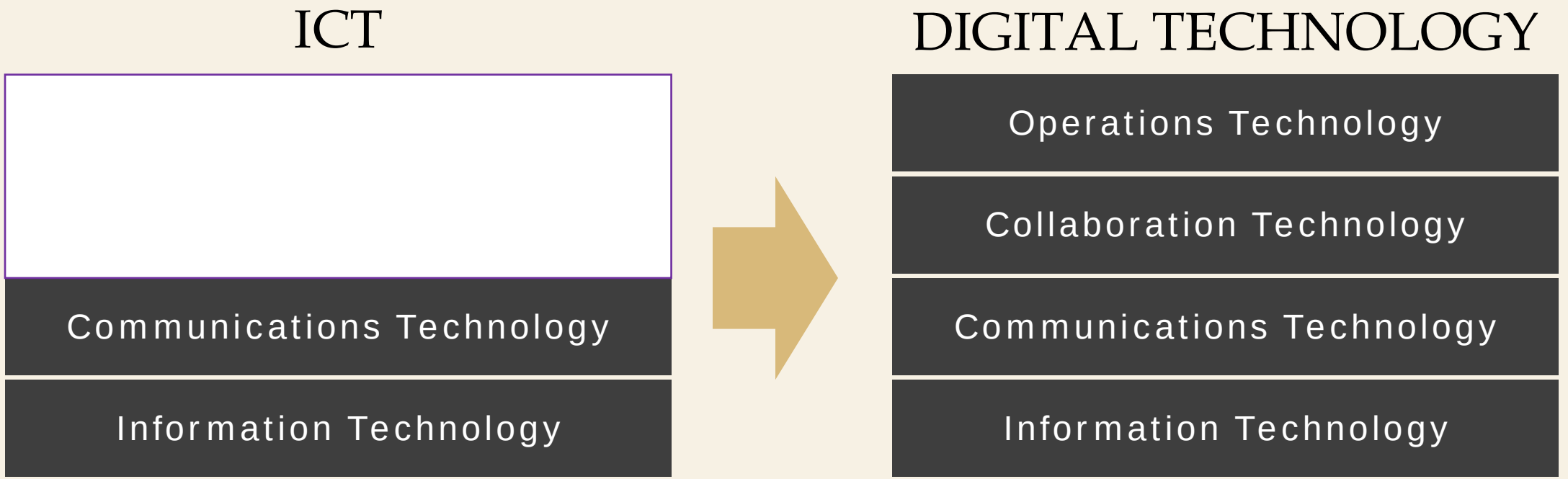
CMD – BT&BT

**March, 2019**

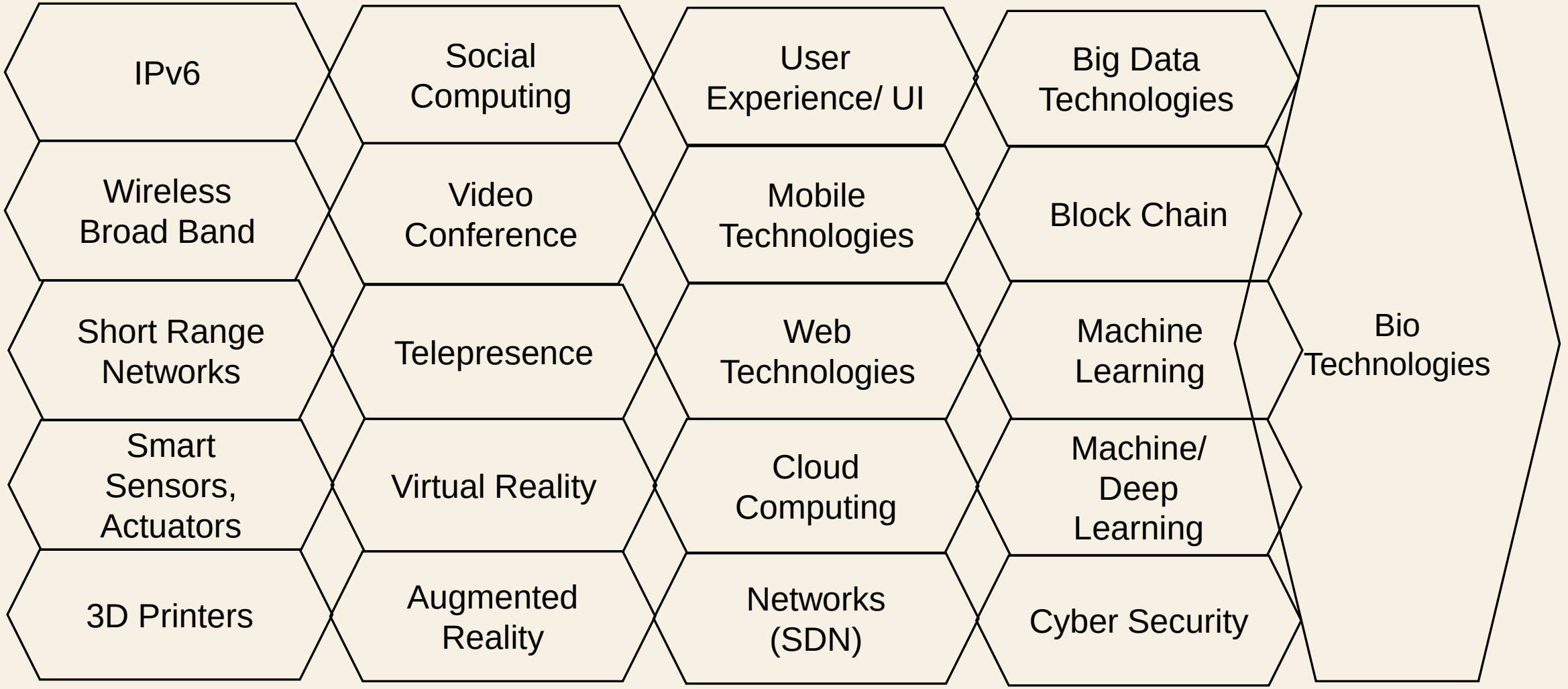
**New Delhi**

# ICT ERA IS OVER !?

# Cities are driven by Fusion of Technologies



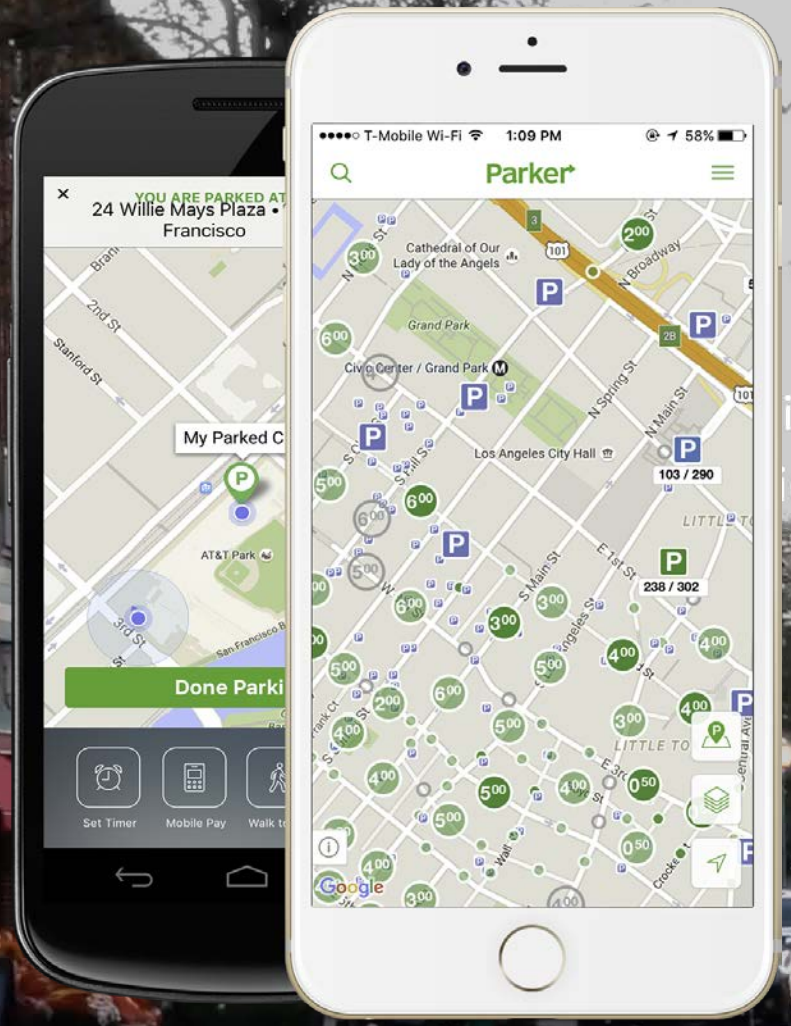
# Cities are driven by fusion of technologies (Cont'd)



# Giving Life to Cities With Digital Technologies

*Source: Hypercat*

**The lamppost not**
**as a power sou**
**also be used**

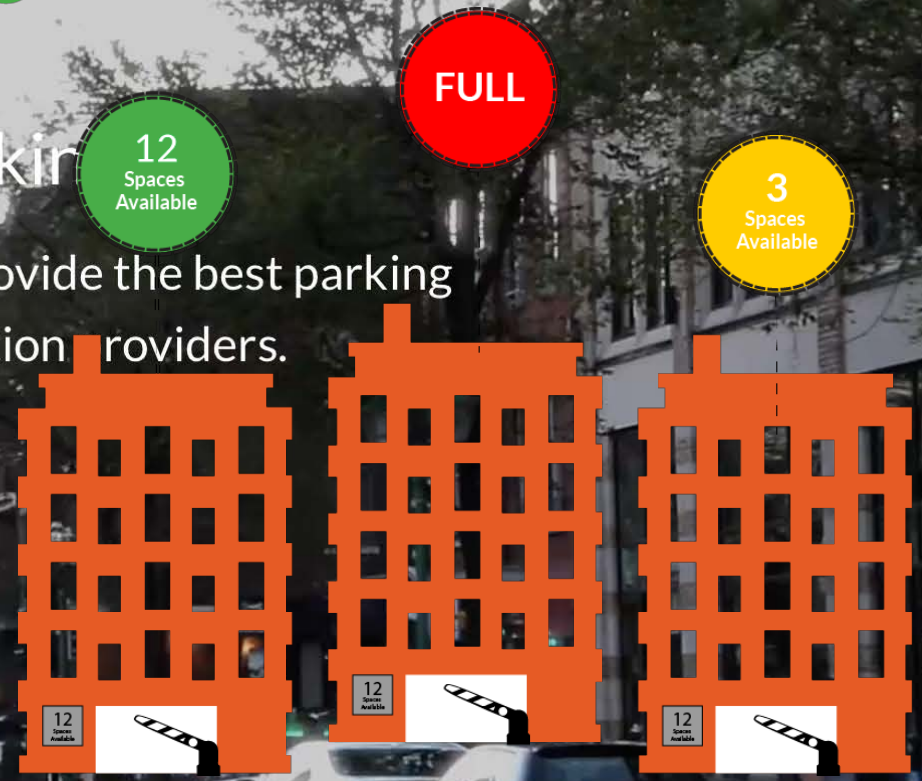



# Streetline

## Get the most out of Parkin

ities to manage parking assets and provide the best parking
ience for drivers, merchants and solution roviders.

See How It Works




## Smart parking improves the quality of life

**712,956** Hours Saved

**3,021,964** Miles Saved

**177,763** Gallons Saved

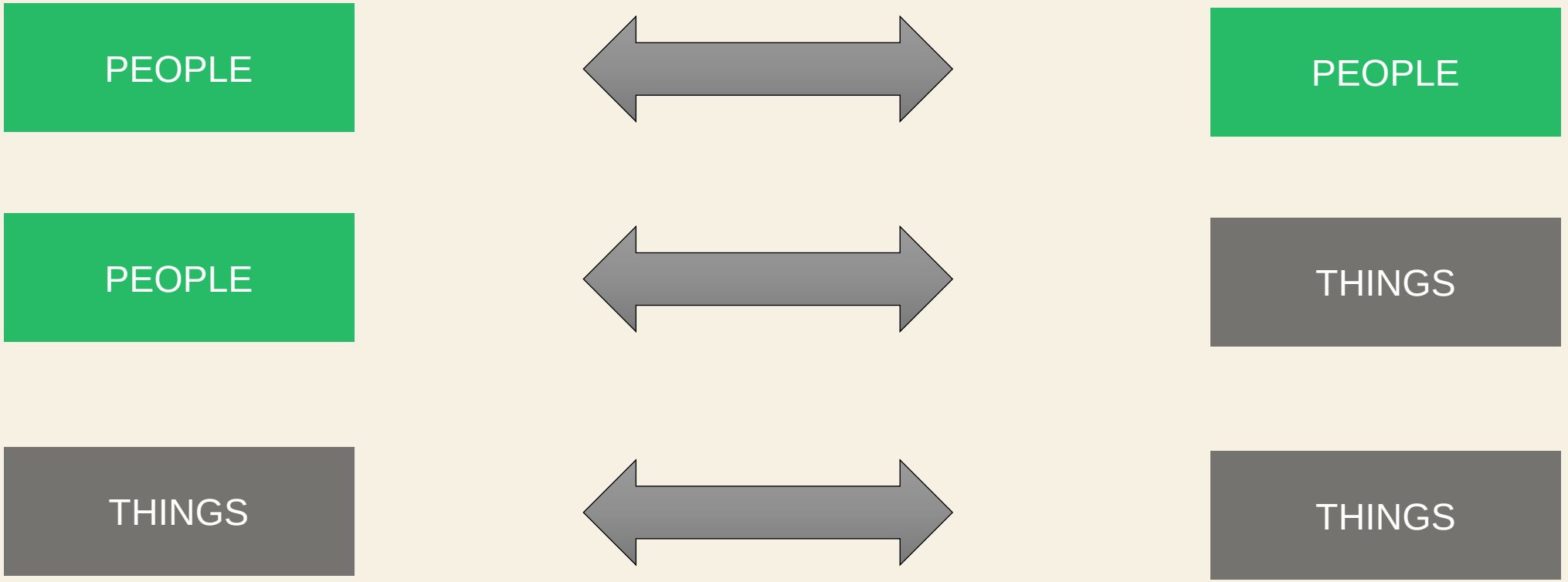
**3,142,843** Lbs Saved

# CUSTOMER EXPERIENCE

- Customer gets signals in his/her mobile phone using Beacons
- Mannequin provides information on clothes and accessories the mannequin is wearing like price, where the items can be found within the store and links to purchase the items directly from the retailer's website.

House of Fraser is already doing this

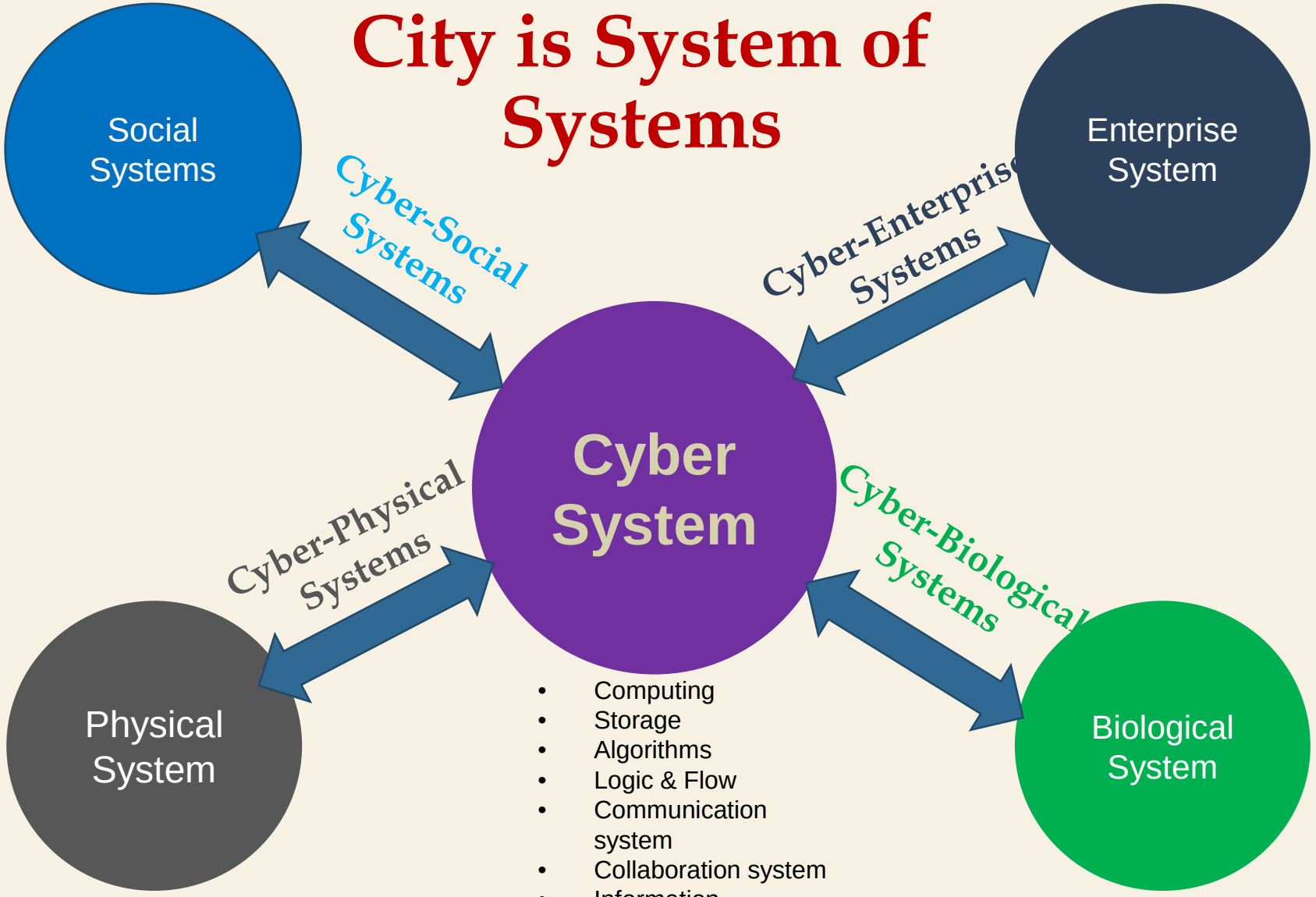
# CITY Today is "Hyper Connected"




People and Things are Teammates

For example Delhi Population is 2 cr + 5 cr = 7cr !!!!!?

# City is System of Systems




- Government
- Healthcare Community
- Education Community
- Others

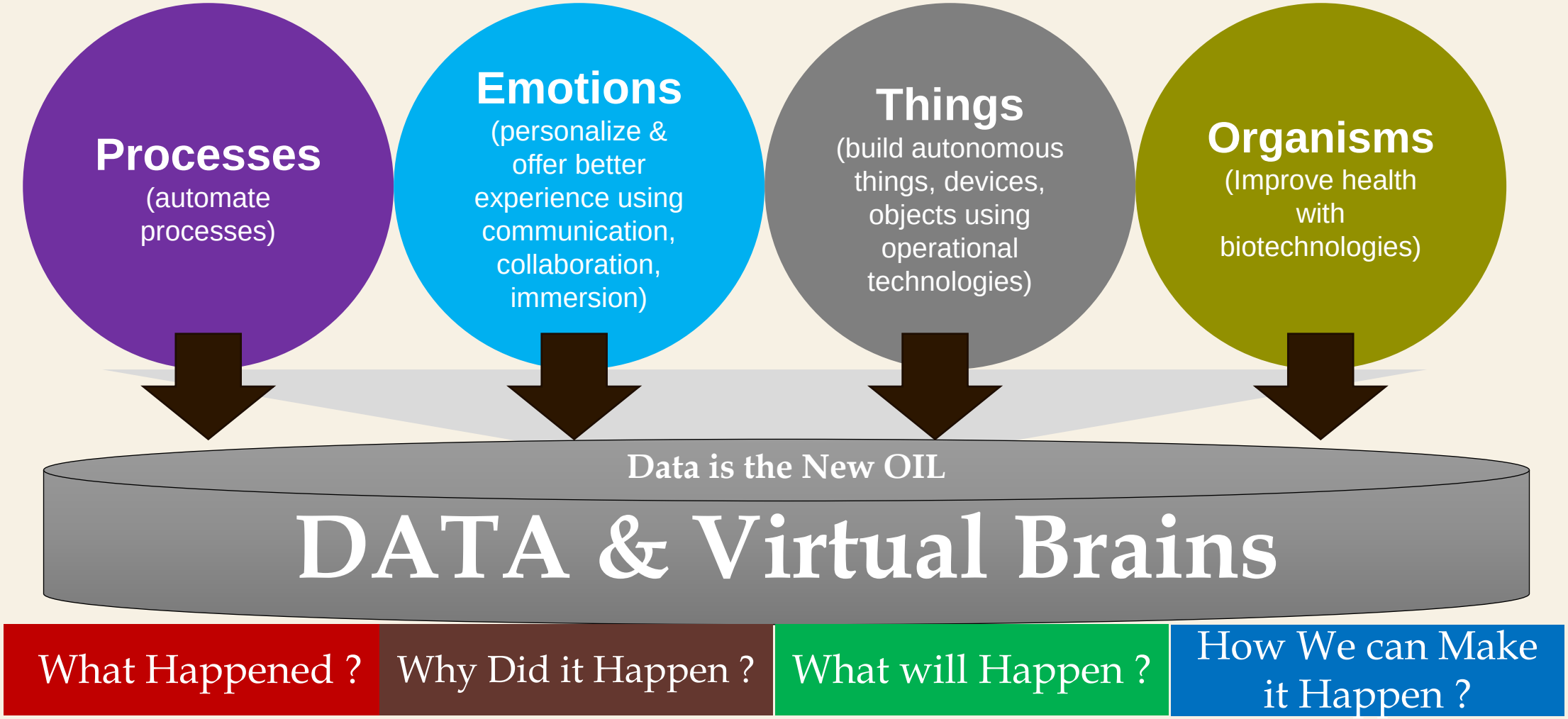
- Business Model
- Services
- Processes
- Operating Model
- Talent

- Computing
- Storage
- Algorithms
- Logic & Flow
- Communication system
- Collaboration system
- Information Processing

- Mechanical System
- Optical Systems
- Electrical System

- Circulatory
- Respiratory
- Nervous
- Muscular
- Digestive
- Reproductive
- Sensory
- Urinary
- Others
- Micro organisms

# Smart City is driven with human and virtual brains

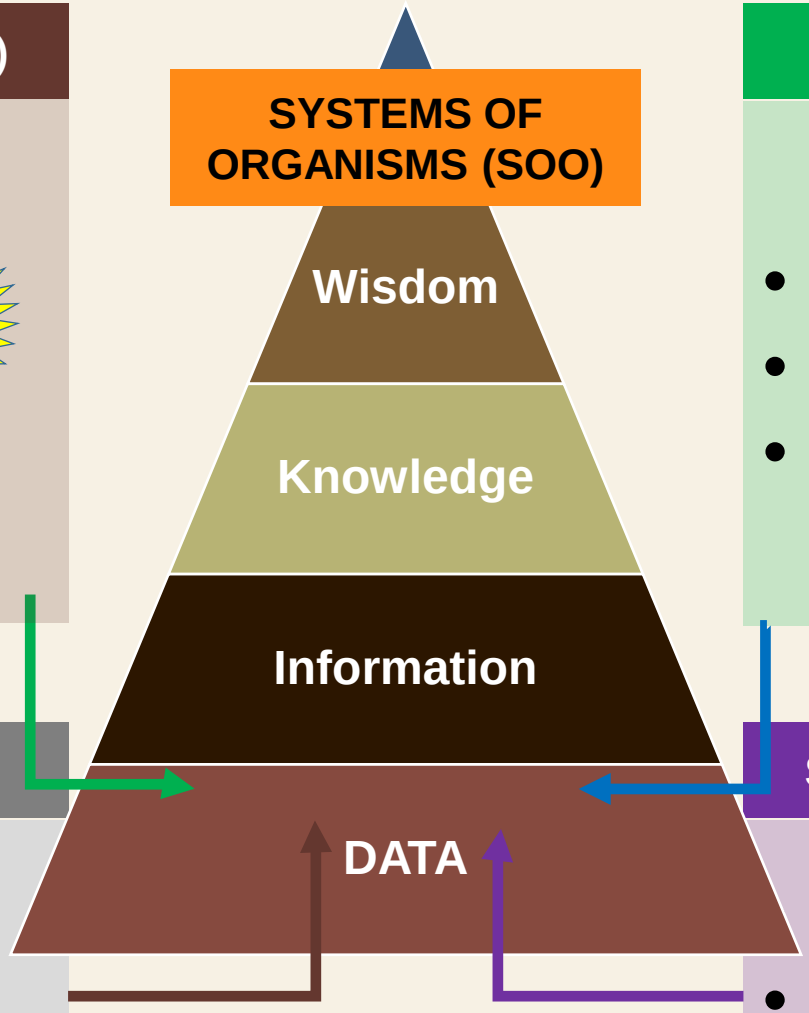


# City requires a new age Digital Applications

**SYSTEMS OF ENGAGEMENT (SOE)**

- Chat
- Conversations
- Collaboration
- Content
- Immersive

New




**SYSTEMS OF THINGS (SOT)**

New

- Embedded
- Networked Embedded
- Cyber Physical

**SYSTEMS OF RECORDS (SOR)**

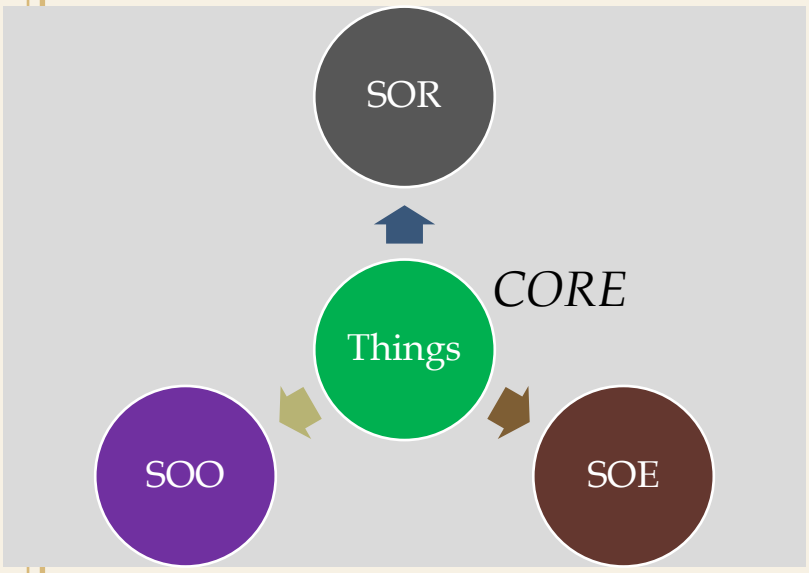
- FIN
- HCM
- CRM
- SCM
- PLM
- PPM

**SYSTEMS OF ORGANISMS (SOO)**

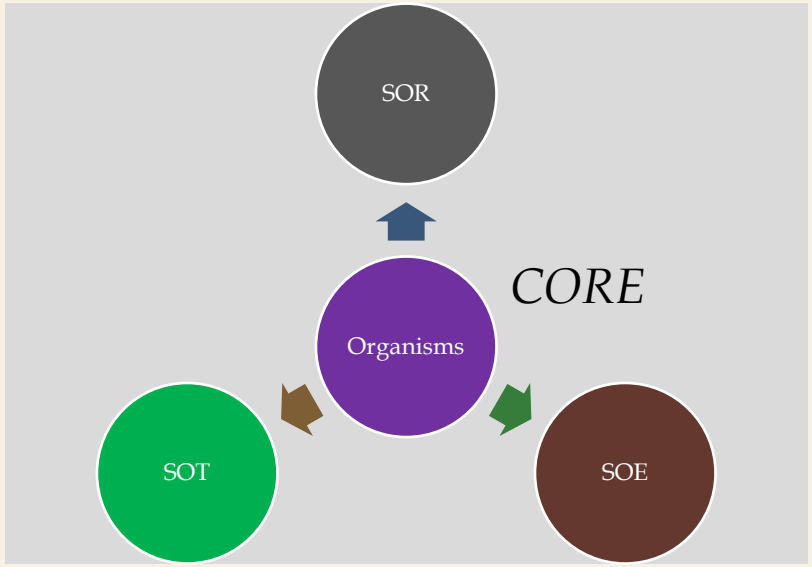
New

- Genome Editing
- Crops Production

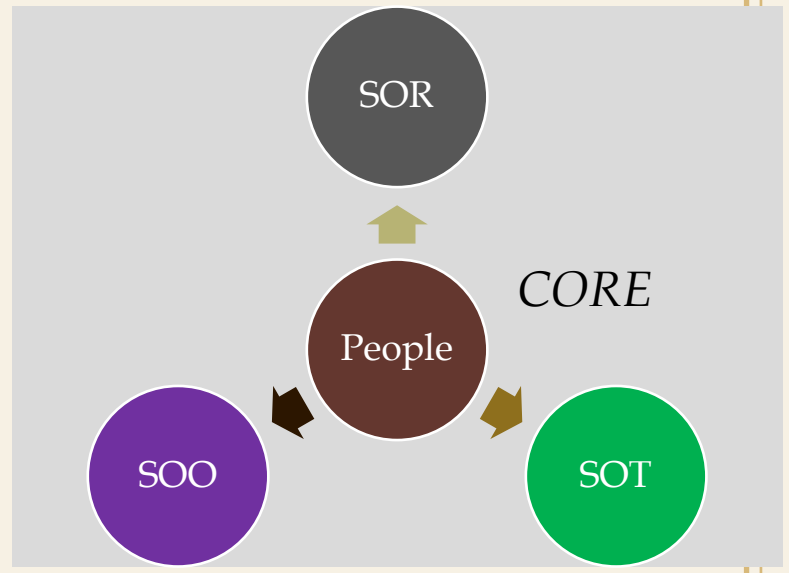
# City requires a new age Digital Applications (Cont'd)




Smart Factories. Smart Grids. Smart Buildings




Healthcare, Agriculture, Bio Fuels etc.

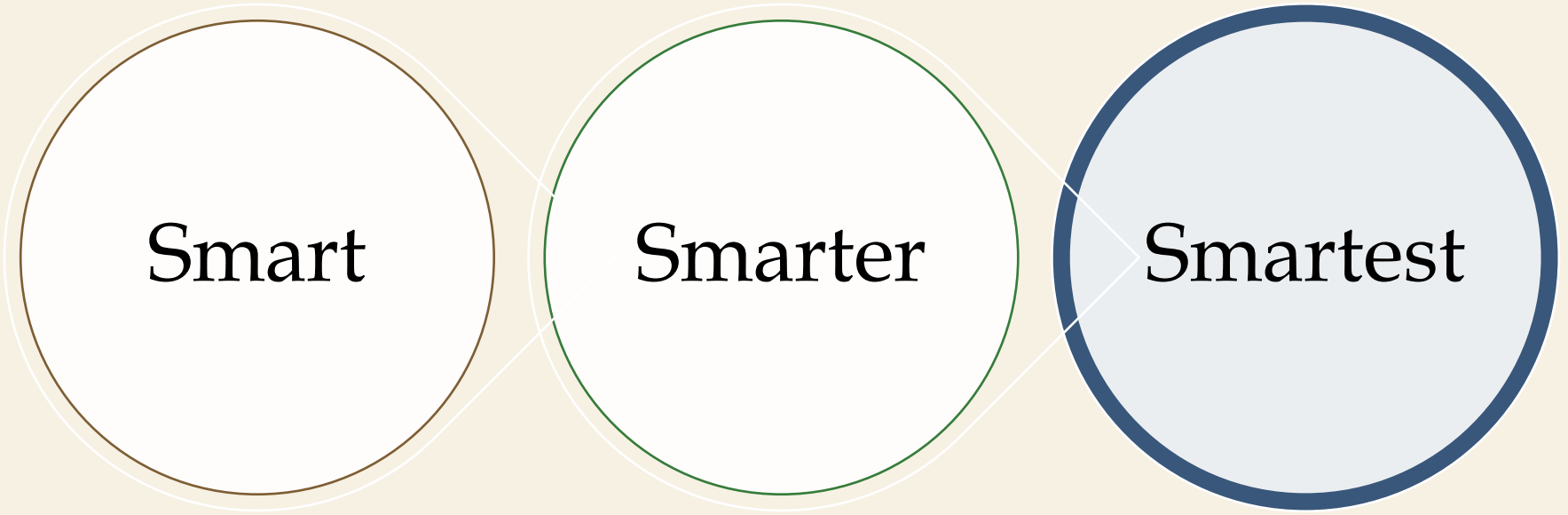



Retail, Healthcare, Banking, Hospitality

DATA DATA DATA DATA DATA DATA DATA DATA DATA DATA DATA DATA

# SMART CITY

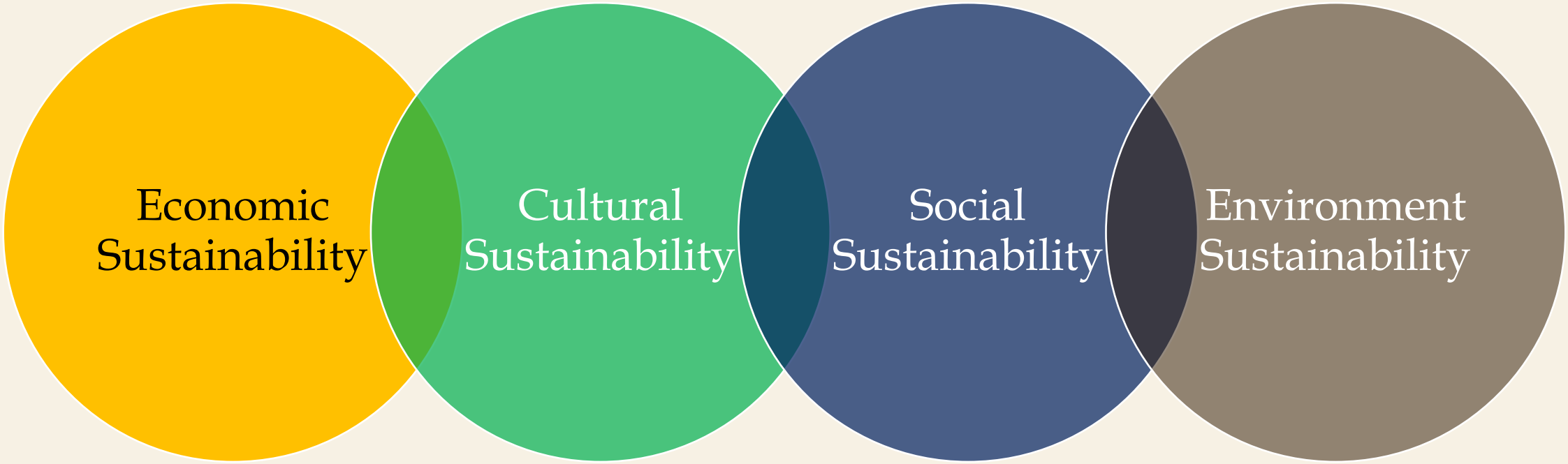
DIGITAL TECHNOLOGIES




**PREDICTIVE** **PRESCRIPTIVE** **NEAR AUTONOMOUS**

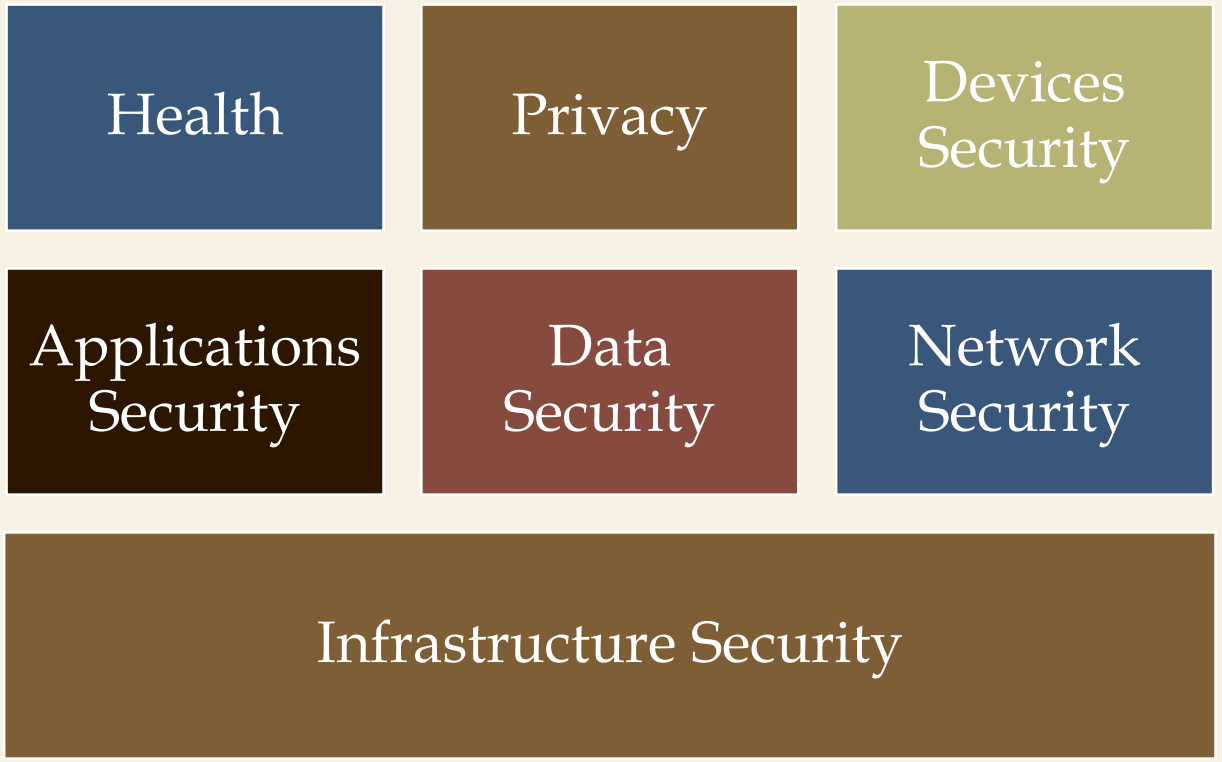
# SUSTAINABLE CITY

DIGITAL TECHNOLOGIES



DIGITAL TECHNOLOGIES

# SAFE CITY




- Digital Literacy
- Digital Diet
- Digital Smartness

# Thank You!

@vsr111

© Copyright with VSR

Phone
+91 9866893307

Email
vsr@btbt.co.in