Artificial Intelligence and Smart Cities
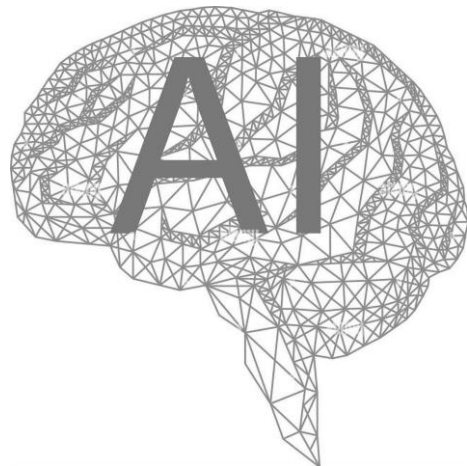
AI + SMART CITY

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Artificial Intelligence

- Artificial Intelligence (AI) is a comprehensive term used to describe the development of computer systems and algorithms that can perform tasks that typically require human intelligence.

- These tasks encompass a wide range of cognitive functions, including problem-solving, learning, reasoning, perception, language understanding, and decision-making.
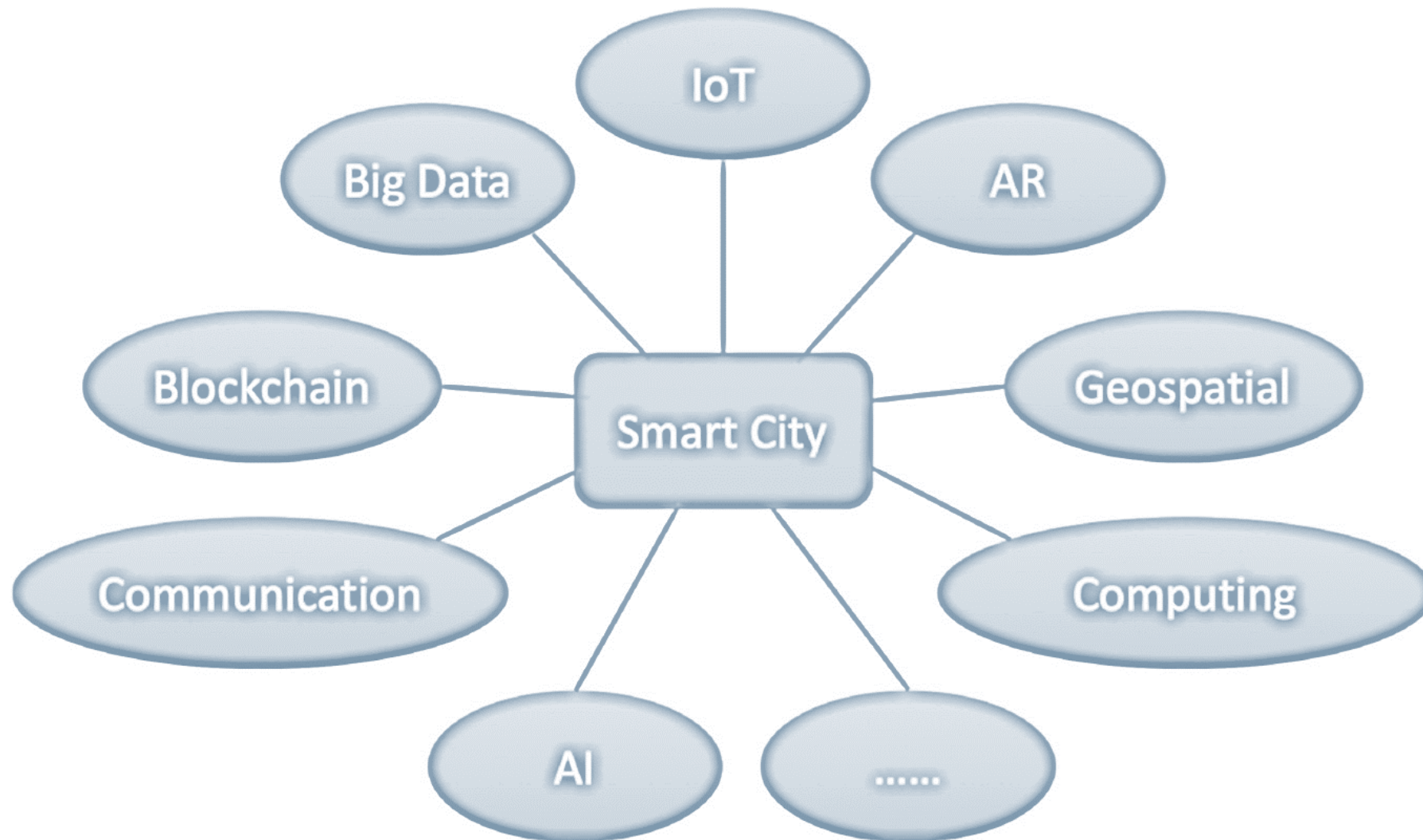
Smart Cities

- A Smart City refers to the comprehensive utilization of smart technology and data integration to enhance the quality of life and services in urban areas while promoting sustainability and efficiency in their management.

- This transformation involves integrating the city's infrastructure with technology and communication systems and utilizing data intelligently to support decision-making and improve the citizen experience.
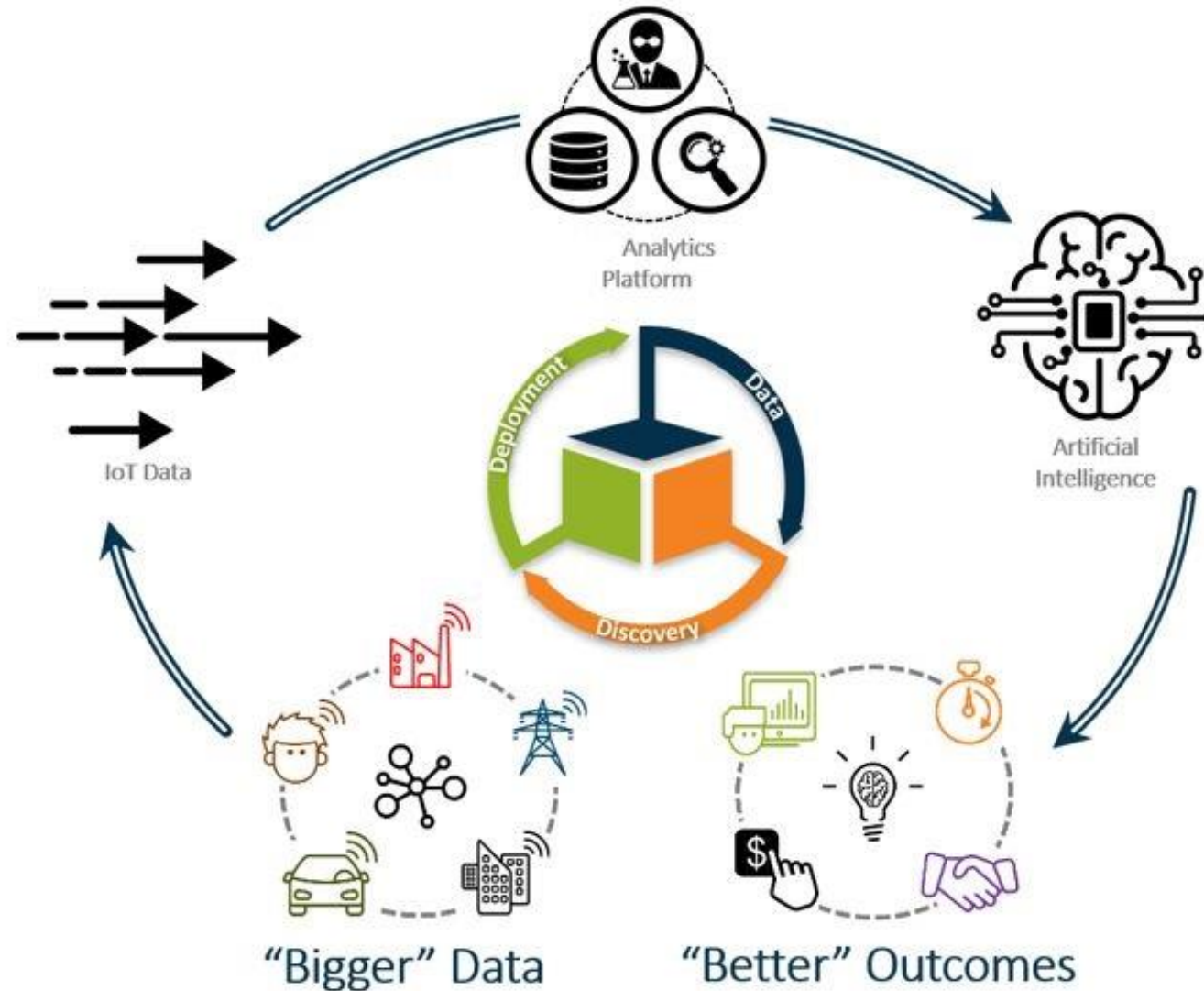
Key Technologies Of Smart Cities
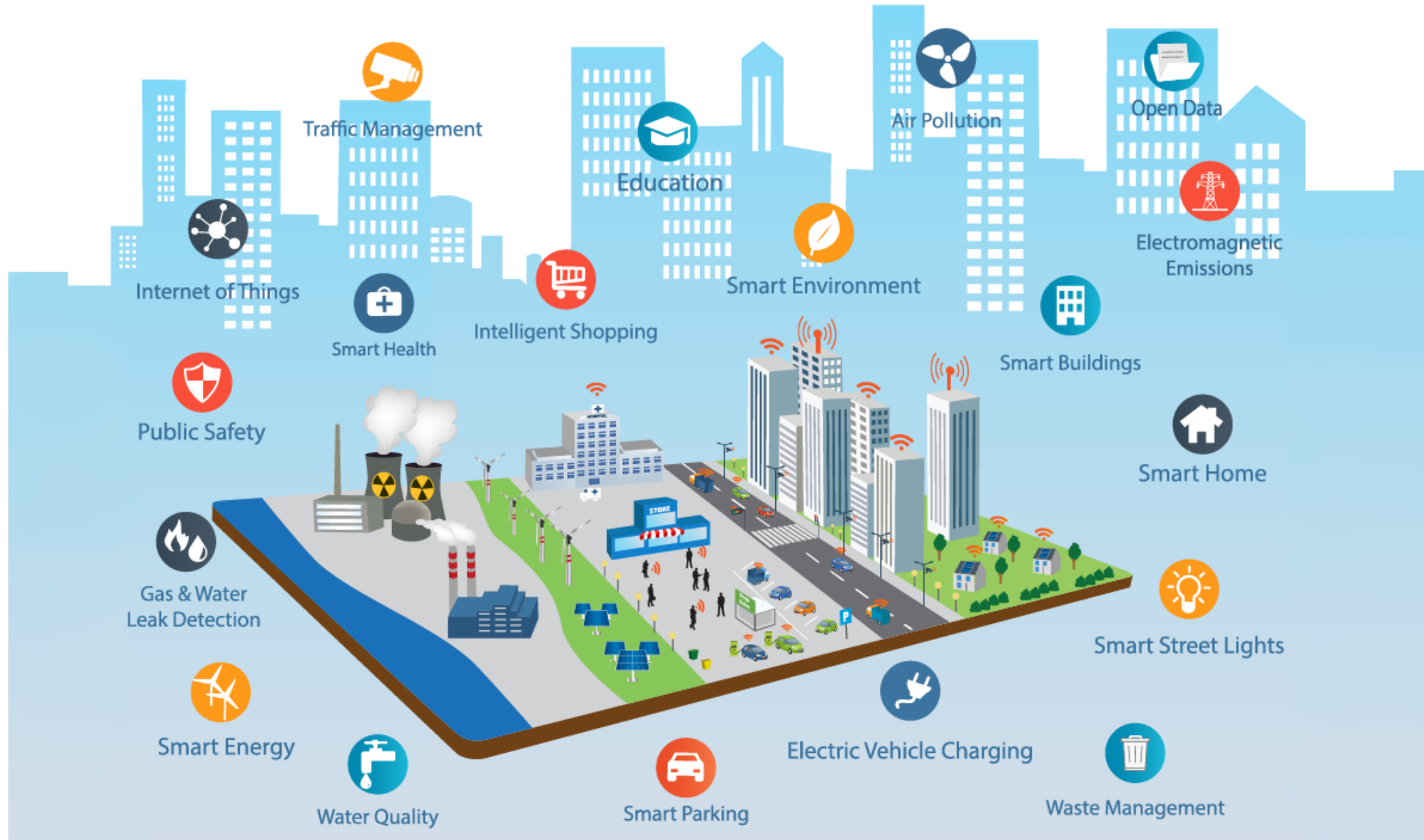
Artificial Intelligence of Things

Conceptual Framework of AI used in Smart Cities
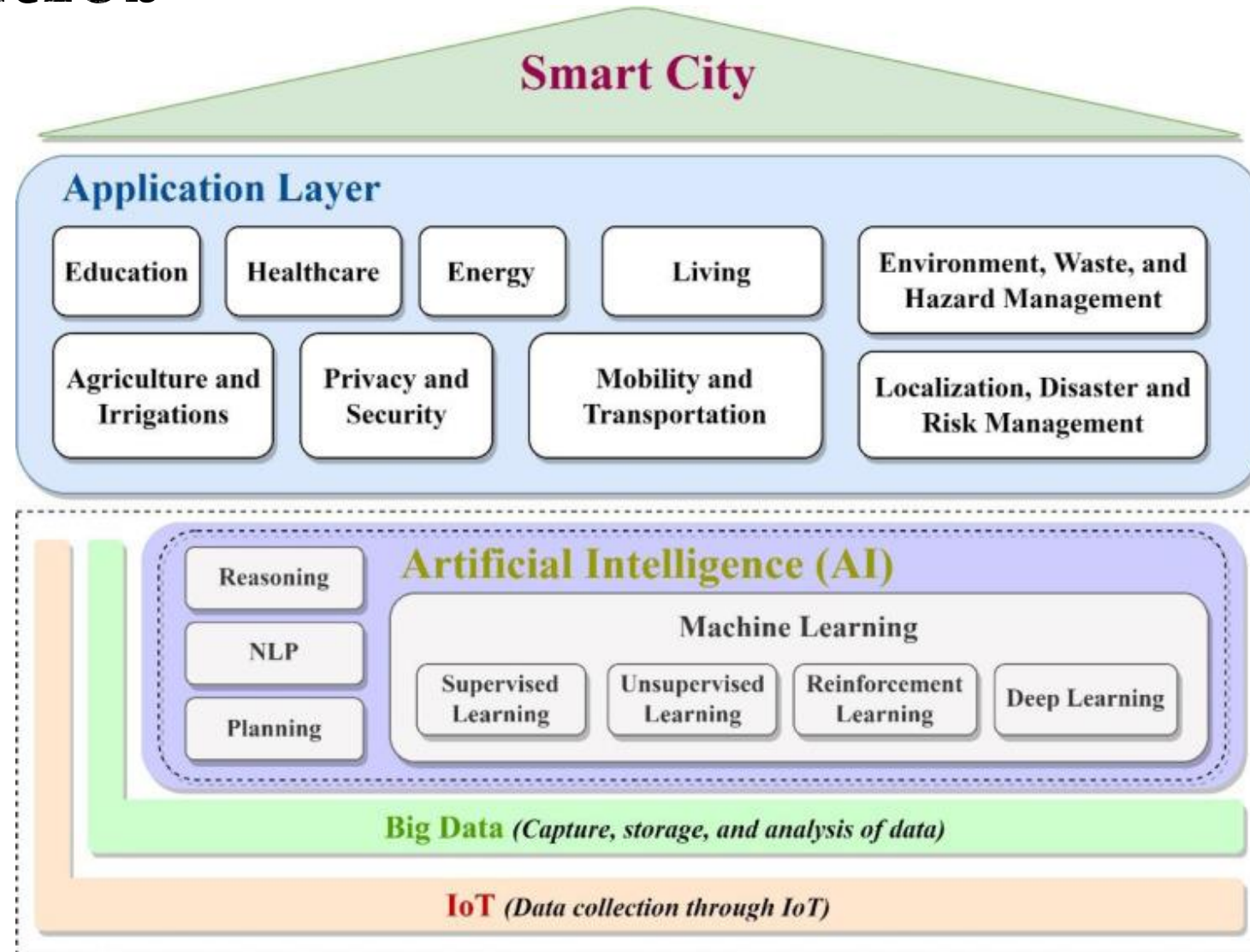
SMART CITY

Use Cases and Applications

6. Infrastructure

- Smart Infrastructure
- Smart Buildings
- Smart Irrigation
- Smart Roads

1. Public Services

- Citizen Services
- Tourist Services
- Public Transportation
- Information Services

5. Integrated Smart Functions

- Smart Care
- Smart Education
- Smart Governance
- Smart Planning

2. Transportation

- Smart Roads
- Connected Vehicle
- Smart Parking
- Smart Traffic

4. Sustainability

- Environmental Monitoring
- Smart Energy
- Smart Metering
- Smart Water

3. Public Safety

- Smart Lighting
- Environment
- Asset Tracking
- Video Surveillance

SMART CITY

SMART CITY

Smart City Benefits

Improved infrastructure	Revenue generation	Economic development	Efficient public utilities	Increased digital equity	Traffic awareness

Enhanced citizen	Transportation	Life quality	Security	Water efficiency	Data-driven decision

SMART CITY

Challenges in Building Smart Cities

Infrastructure 01

02 Multiple service providers

Resources 03

04 Perception

People 05

06 Insufficient funds

Lack of IT professionals 07

08 Inconsistent network connectivity

Cybersecurity risks 09

10

Source allerin.com