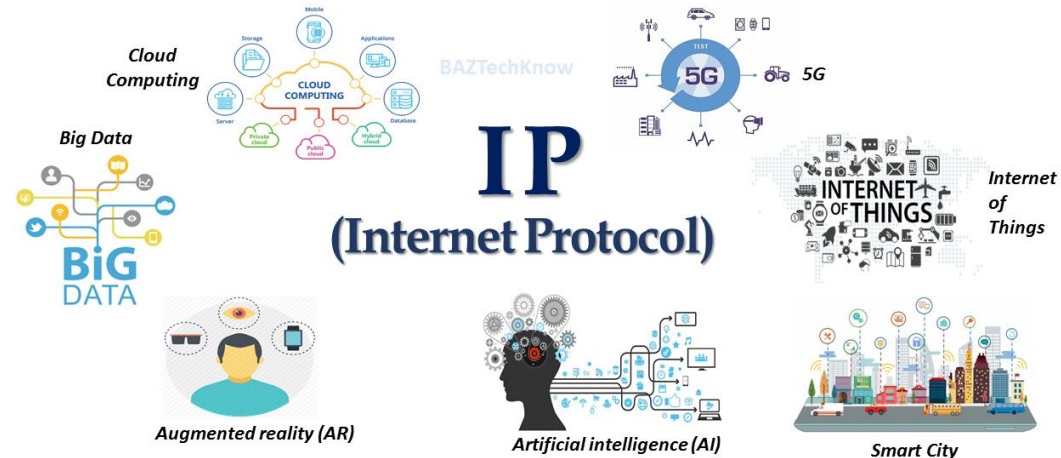


# Every Emerging Technology needs *IP Network*

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Every Emerging Technology needs  
IP (Internet Protocol) *to Evolve!!*



# Every Emerging Technology needs IP (Internet Protocol) *to Evolve!!*

Cloud  
Computing



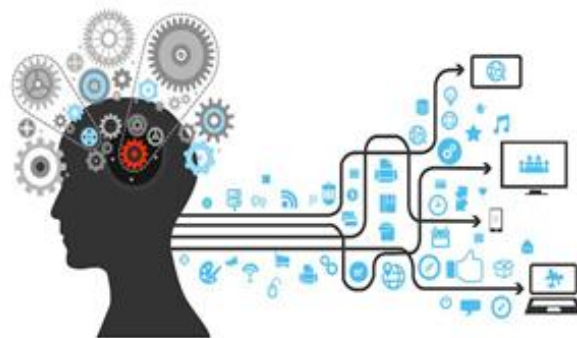
Big Data



# IP (Internet Protocol)



Augmented reality (AR)



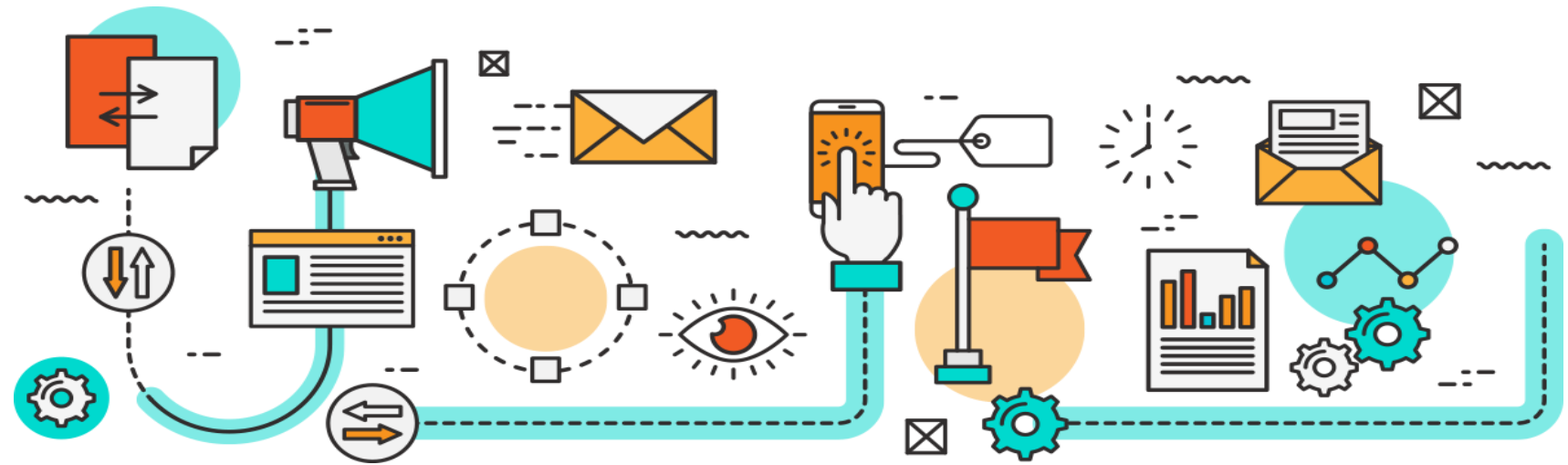
Artificial intelligence (AI)



Smart City

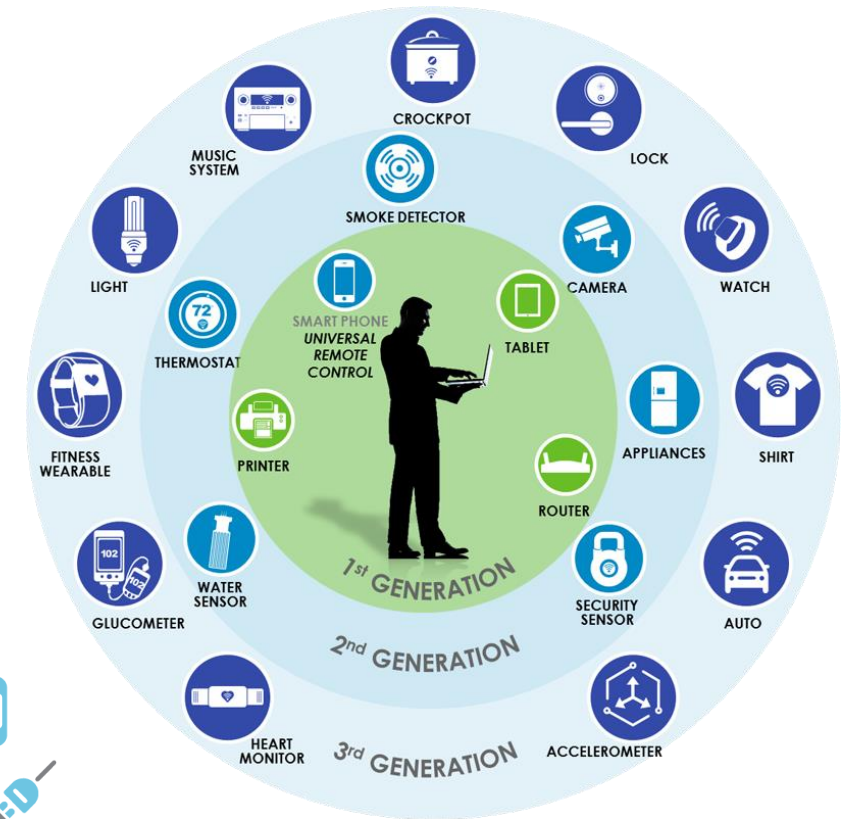
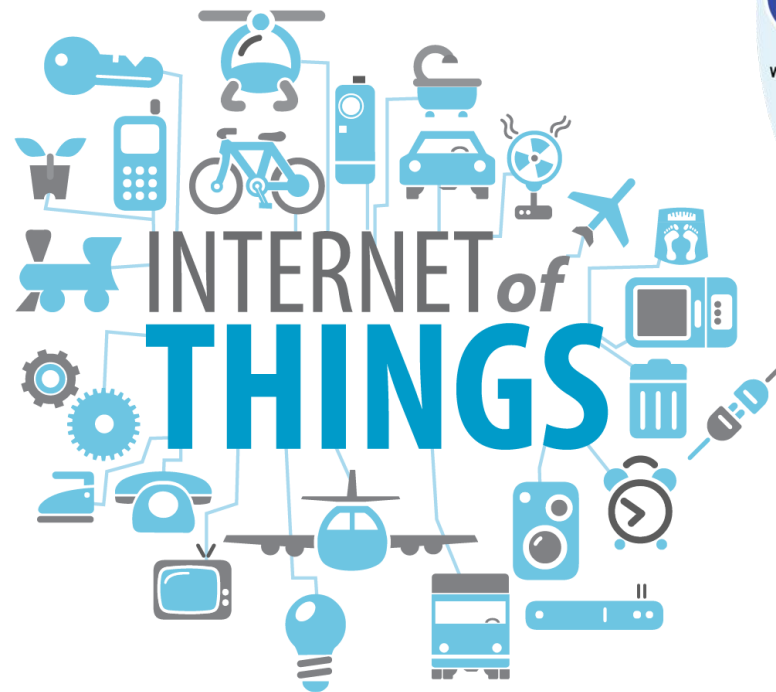
# Agenda

- Emerging Technologies
- IoT
- 5G
- Cloud
- Big Data
- AI
- Q/A



# IoT - Internet of Things

IoT is the network of physical objects—devices embedded with electronics, software, sensors, and network connectivity—that enables these objects to collect and exchange data.

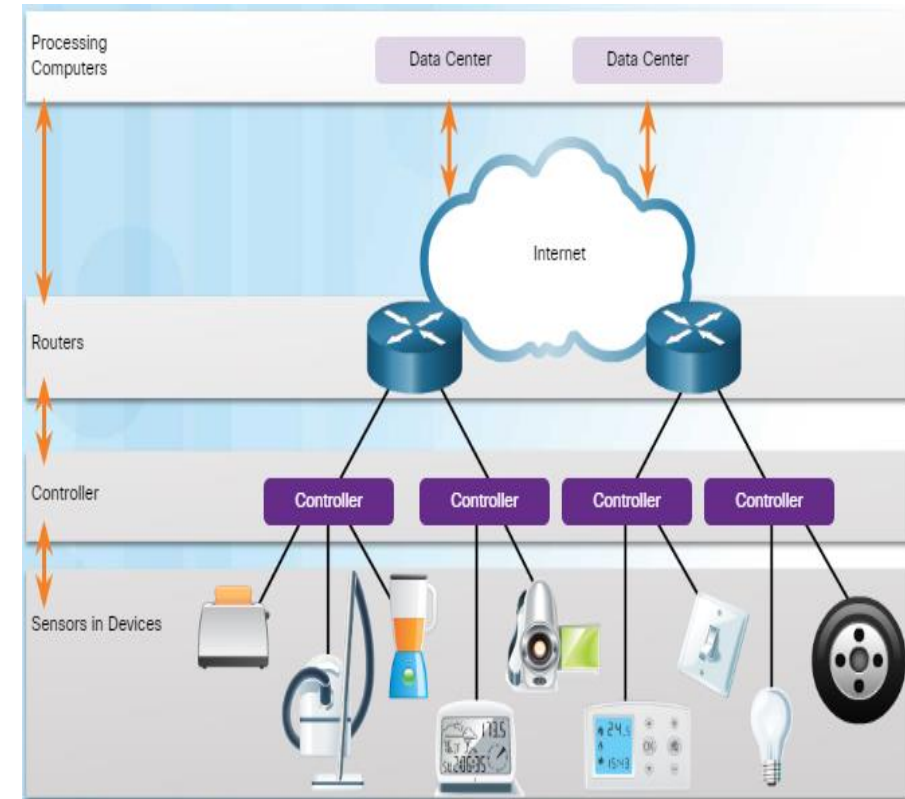


# IoT

- Network layer is an essential part of IoT eco Cycle.
- Common types of communication are wireless communication are Wi-Fi, Cellular, Bluetooth, NFC and some devices (smartphones & tablets) use a combination of wireless communication methods to connect to different devices.

## How IP Network helping IoT

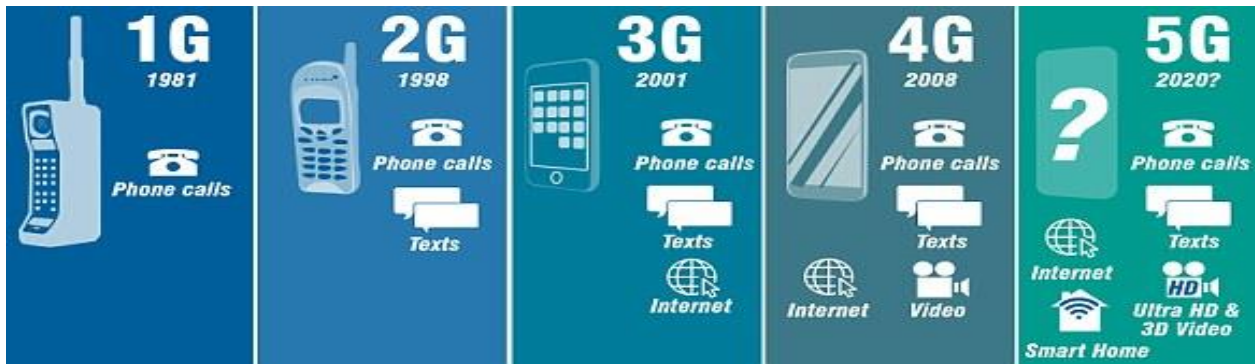
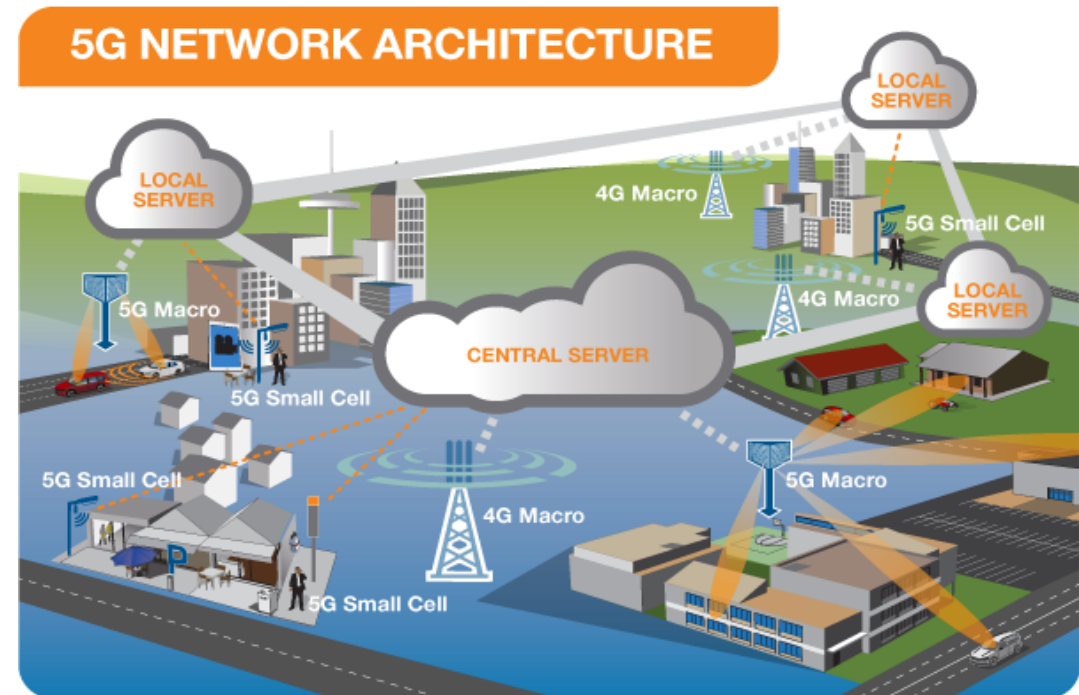
- Reachability to Sensors
- IP networks handles all communication for Controller
- Transportation of data



# 5G Network

5G is the next generation of mobile internet connectivity, offering faster speeds and more reliable connections

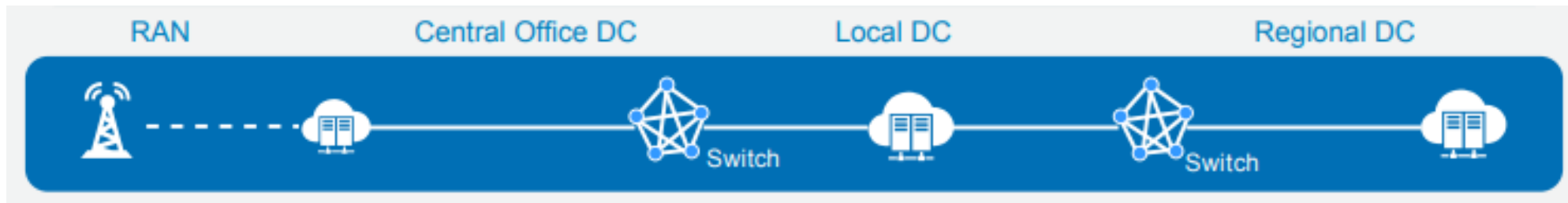
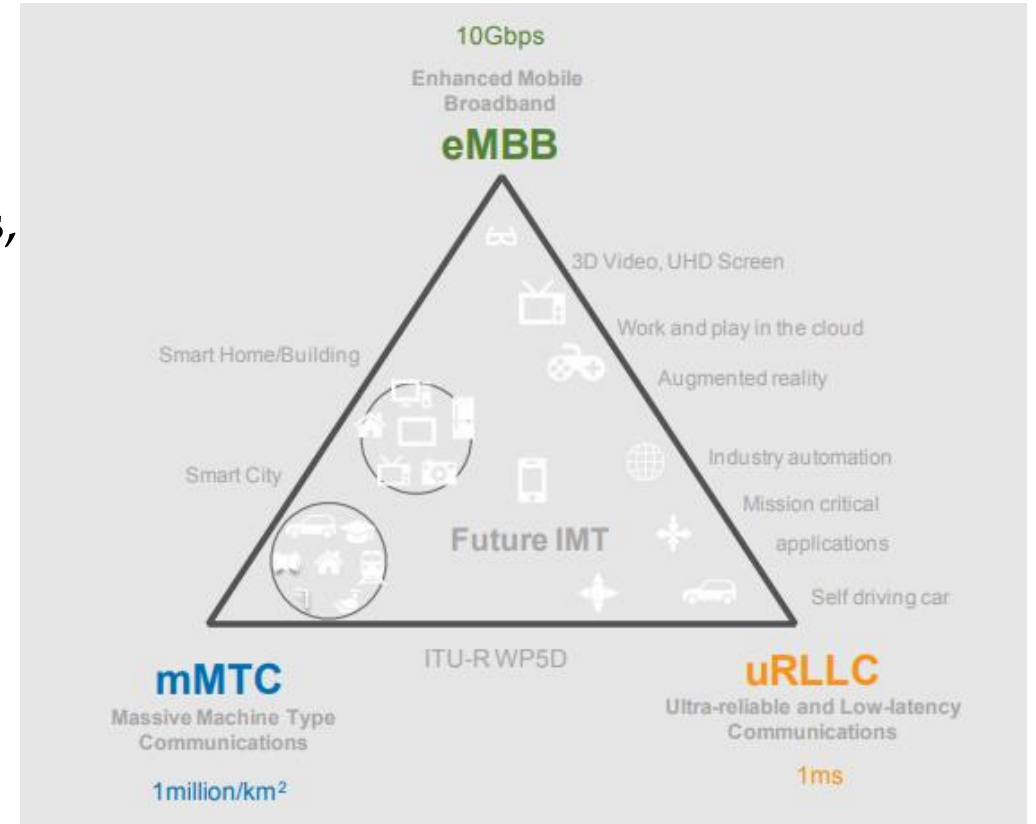
- 1-10Gbps connections to end points in the field
- 1 millisecond end-to-end round trip delay (latency)
- 1000x bandwidth per unit area
- 10-100x number of connected devices
- (Perception of) 99.999 per cent availability
- (Perception of) 100 per cent coverage
- 90 per cent reduction in network energy usage
- Up to 10 year battery life for low power, machine-type devices



# 5G – 5G NR

## How IP Network helping 5G

1. Complex networks incorporating multiple services, standards, & site types
2. Coordination of multi-connectivity technologies
3. On-demand deployment of service anchors
4. Flexible orchestration of network functions
5. Shorter period of service deployment



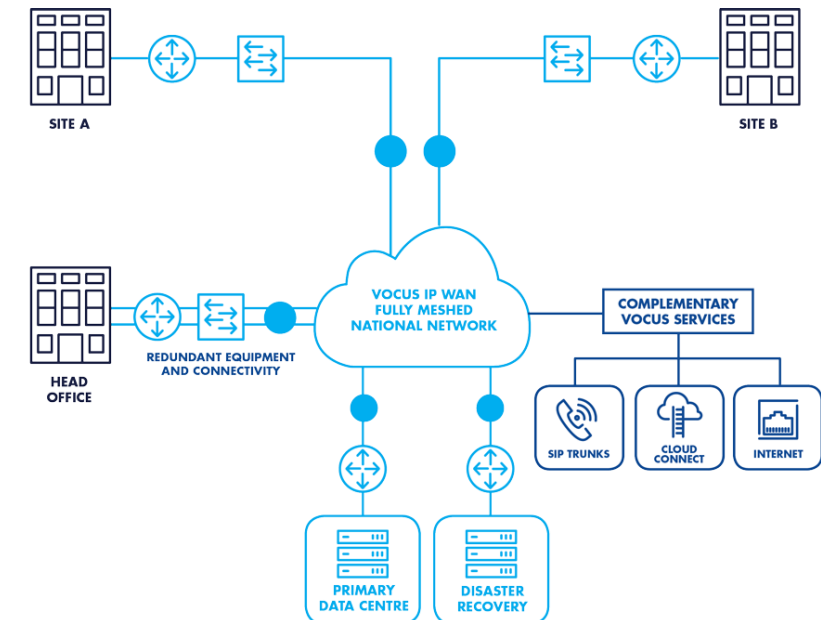
# Cloud Computing

- Cloud computing is on demand availability of computer system resources, especially data storage and computing power, without direct active management by the user.
- The term is used to describe data centers available to many users over the Internet.



## How IP Network helping Cloud Computing

- Reachability of Private, Public & Hybrid Clouds
- Bandwidth & Global Connectivity
- Communication Between Micro services
- IP networks to handle the cloud's massive data load
- A Scalable Topology





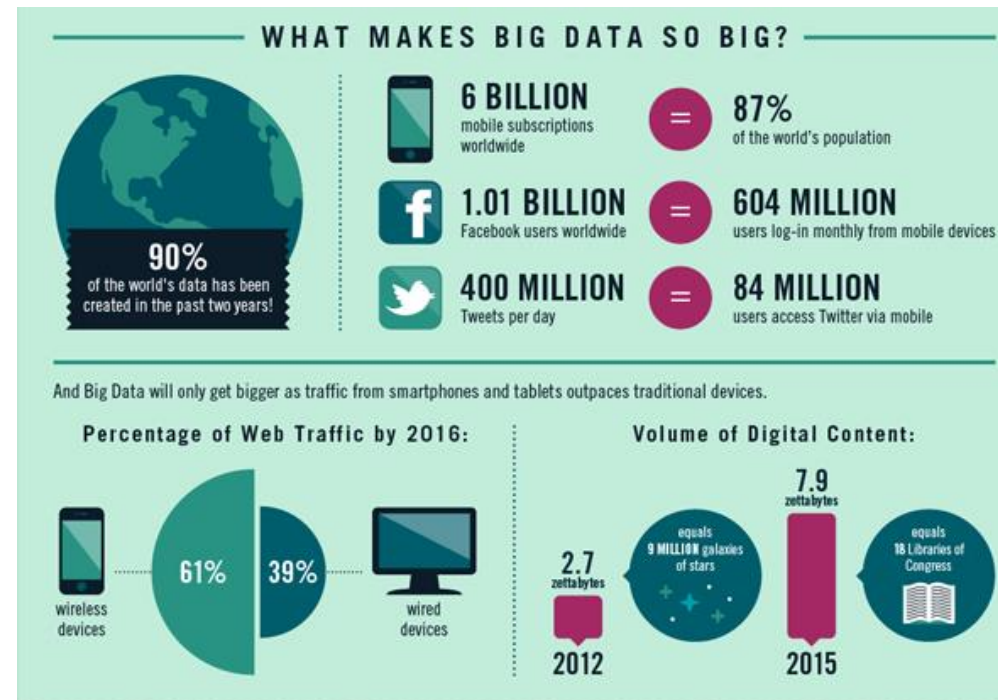
# Big Data

A field that treats ways to analyze, systematically extract information from, or otherwise deal with data sets that are too large or complex to be dealt with by traditional data-processing application software.



## How IP Network helping Big Data

- truckloads of data for analysis
- 3V (Volume, Velocity & Variety)
- predictive analytics, user behavior analytics, or certain other advanced data analytics

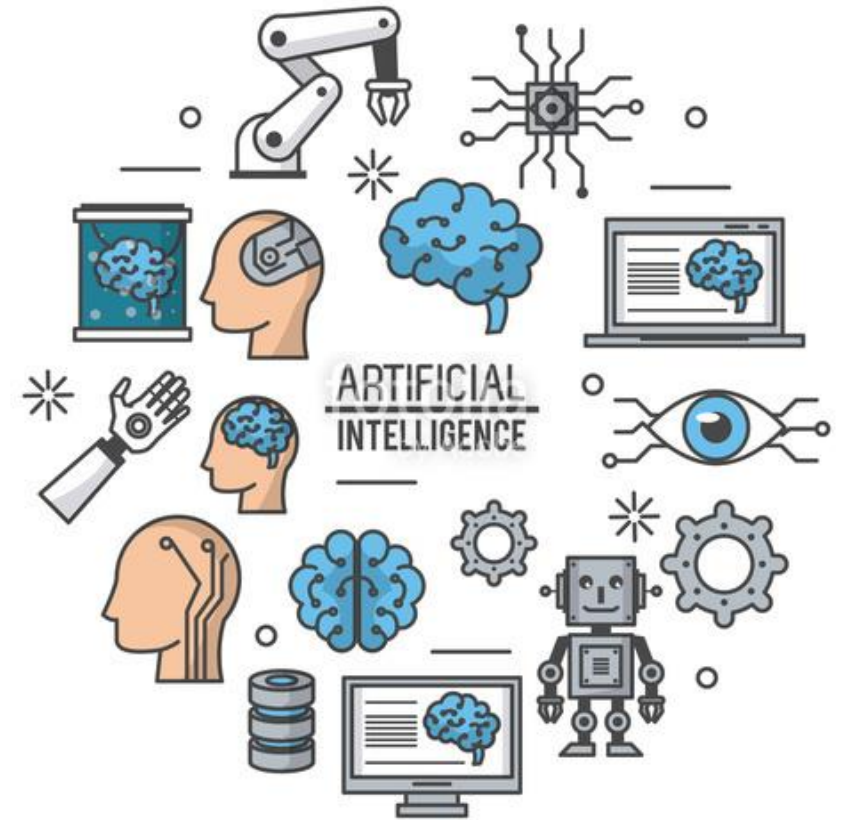


# Artificial Intelligence

AI technology, brings the ability to automatically identify patterns and detect anomalies in the data that smart sensors and devices generate – information such as temperature, pressure, humidity, air quality, vibration, and sound

## How IP Network helping Artificial intelligence

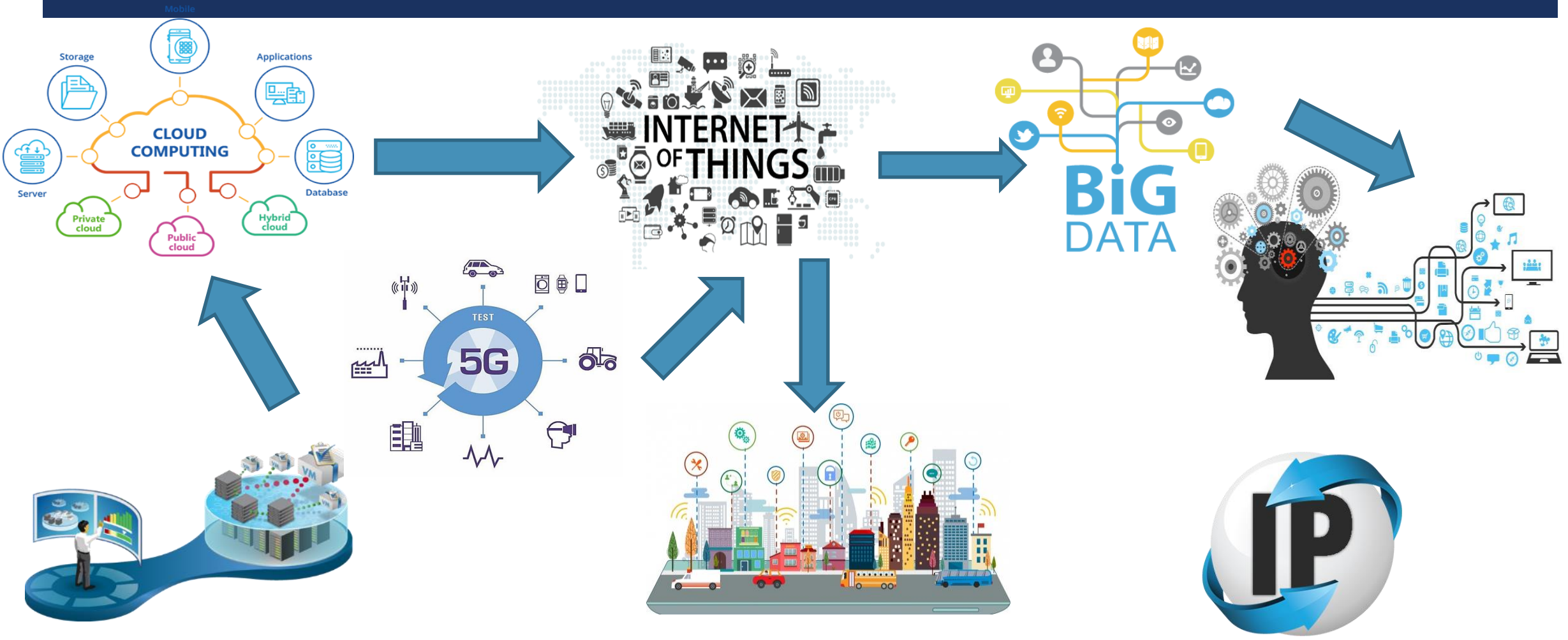
- Reachability of AI systems
- Bandwidth Connectivity
- AI-focused IoT start-ups are on the rise.



#174118081

THE FUTURE OF IoT IS AI

# Co-relation



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# Q/A Session & Discussion

If you want to get in touch with  
me,  
Scan here

