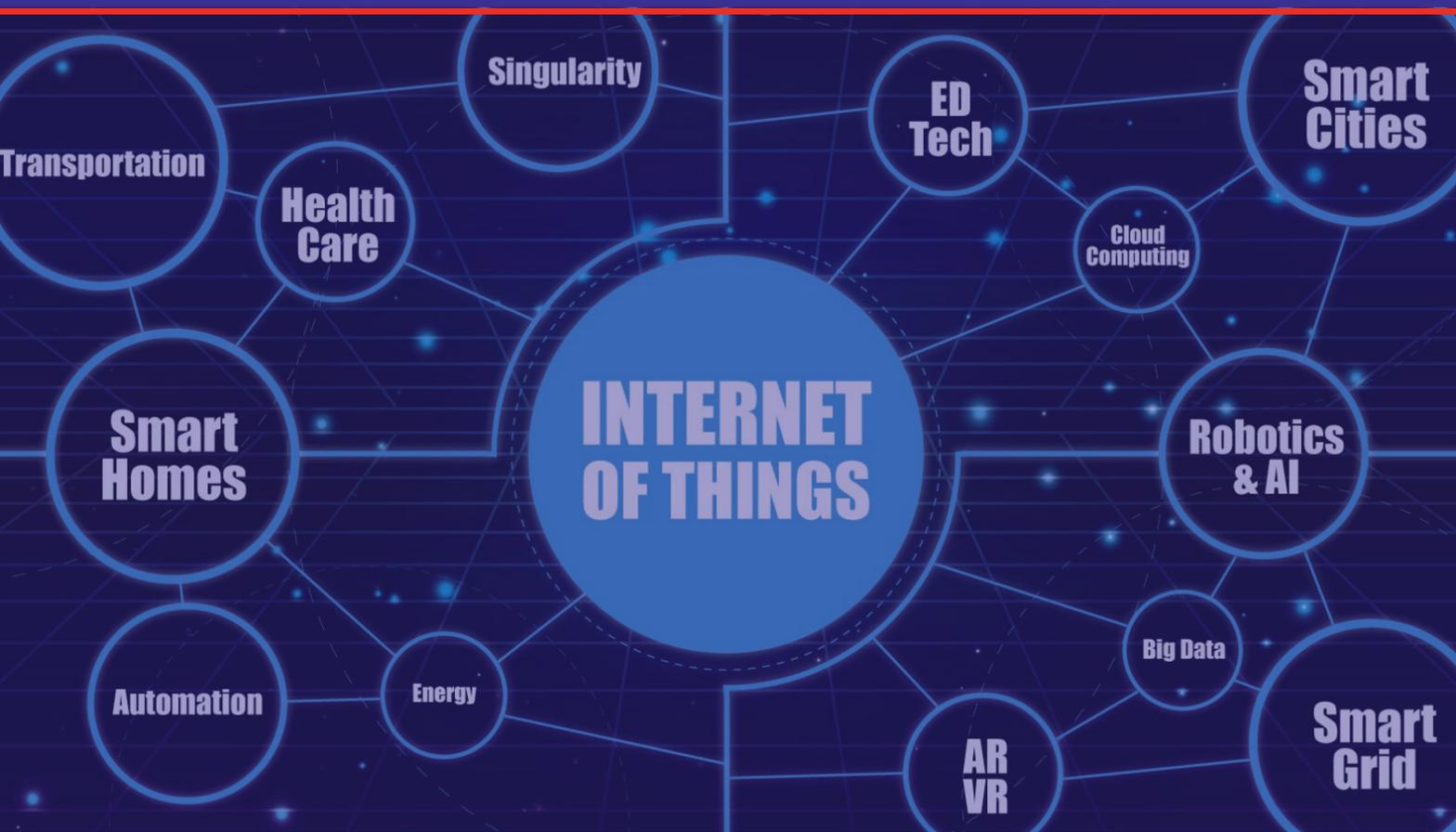


HAPPY WORLD IOT DAY!

WHAT IS IOT?

A network of physical devices connected to the internet with sensors, software, and other electronics



EXAMPLES



Home or office automation with connected smart devices



Remote patient monitoring via biological sensors that communicate information to the patient's physician



Machine to machine communication using Wi-Fi infrastructure in a factory or industrial facility



Energy efficient products controlled by power sensors

STATS

94%

of executives report digital transformation as their company's top strategic initiative

25B

connected things by 2021

850

Zettabytes

generated by all people, machines, and IoT devices by 2021

\$11T

economic value of IoT by 2025

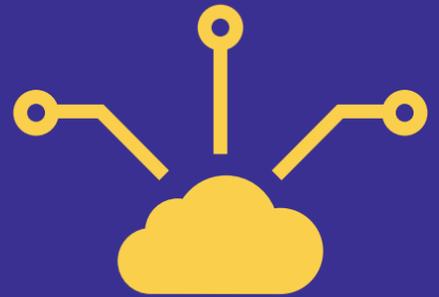
FUTURE INNOVATIONS

Edge Computing

More IoT devices will employ edge computing, the ability to process and analyze data using the device's own software or local server (rather than sending it out to centralized or cloud servers).

Benefits:

- Security
- Reduced latency
- Reliable operations
- Reduced energy consumption
- Cost effective



Technological Singularity



Through advancements in tech, artificial intelligence will rapidly advance and be able to upgrade itself, becoming self-aware and much more intelligent than humans. There will be no distinction between human and machine.

Smart & Underwater Cities

Cities will save time and money using smart tech such as gunshot detection systems, visitor kiosks, pollution detection systems, surveillance tools, and smart energy devices.



Example: Shimizu Corporation plans to create deep sea cities called Ocean Spirals by 2030

- Estimated cost \$26B
- 16,400 ft below sea level
- 100% renewable energy - massive turbines will draw power from waves, current, and tides
- Sustain 5,000 people in the sphere

SOURCES:

- CISCO | REDEFINE CONNECTIVITY BY BUILDING A NETWORK TO SUPPORT THE INTERNET OF THINGS
- DELOITTE INSIGHTS | INDUSTRY 4.0 CHALLENGES ON THE PATH TO DIGITAL TRANSFORMATION
- FORBES | THE CUTTING EDGE OF IOT
- GARTNER | GARTNER IDENTIFIES TOP 10 STRATEGIC IOT TECHNOLOGIES AND TRENDS
- MCKINSEY & COMPANY | HOW CAN WE RECOGNIZE THE REAL POWER OF THE INTERNET OF THINGS?
- SHIMIZU CORPORATION | OCEAN SPIRAL, DEEP SEA FUTURE CITY CONCEPT