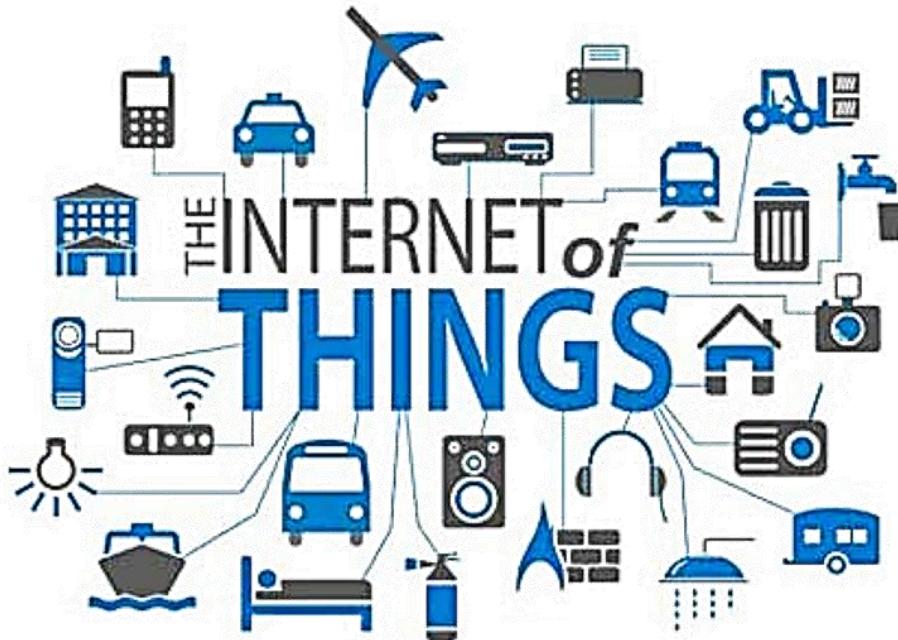


Introduction to IOT



Advantages of IoT

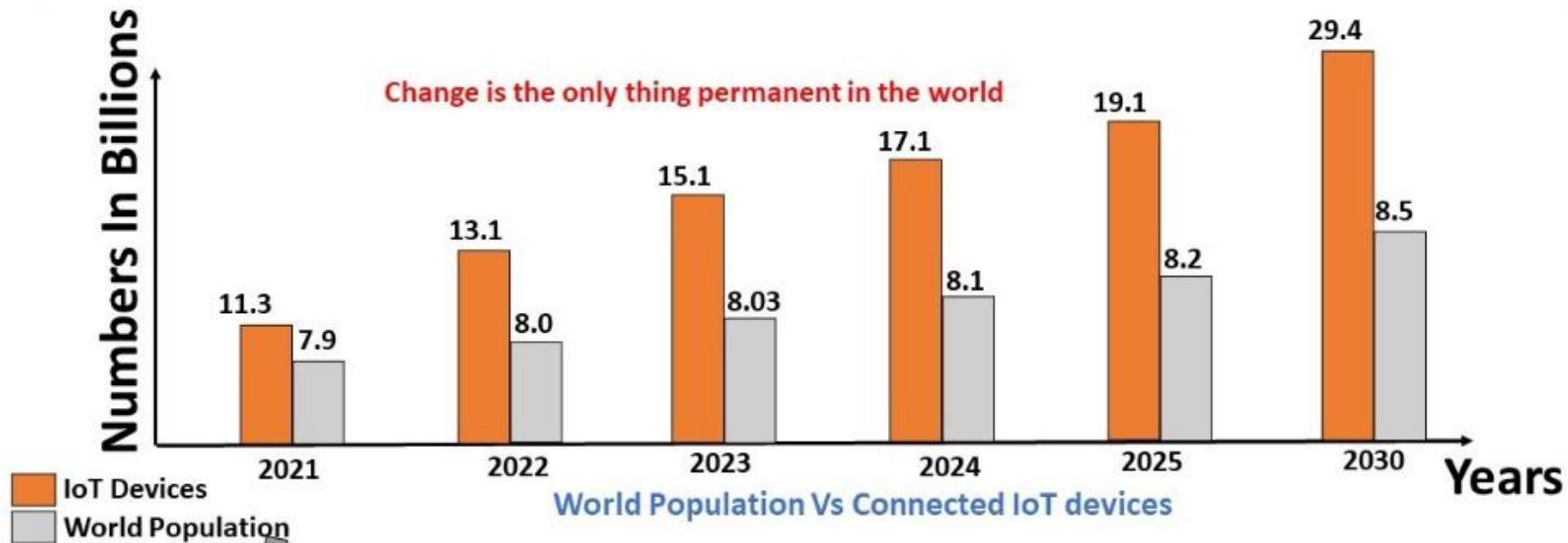
- Leads to automation and technical optimization
- Reduces waste and uses our natural resources effectively
- Minimizes human effort and saves time
- Saves the cost of production
- Improves productivity
- Enhances product quality
- Takes timely action to avert accidents
- IoT deployed with AI can improve the model/process behavior over time
- Asset tracking, traffic or transportation tracking, inventory control, delivery, supply chain tracking, and customer management can all be made more cost-effective with IoT
- IoT embedded with big data helps users extract useful information from raw data
- Improves monitoring with smart sensors
- Predicts or analyzes the outcome of operations/business
- Identifies fault locations
- Provides access to information in real-time



Disadvantages of IoT

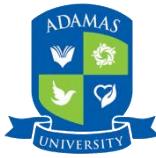
- Vulnerable to attacks
- Maintaining privacy is a major challenge
- Security of confidential data is a key concern
- Huge dependency on the internet
- Dependency on many devices and software
- We may lose control of our lives
- Risk of losing jobs
- Difficult to plan, build, manage, and enable a broad IoT framework
- Incompatible IoT standards among different operators
- Impact of overuse of IoT on people's health

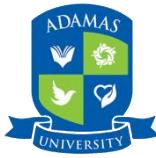
IoT Statistics



IoT Characteristics (Features)

- Connectivity**
- Sensing and Perception**
- Dynamic and Self-Adapting**
- Self-Configuring**
- Interoperable Communication Protocols**
- Unique Identity**
- Heterogeneity**
- Integrated into Information Network**
- Scalability**
- Security and Privacy**
- Automation and Control**





Thank You