

SNS COLLEGE OF TECHNOLOGY

Coimbatore-35
An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A++' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

19EET304/ IOT for Electrical Sciences
III YEAR VI SEM

UNIT 1 – INTRODUCTION

TOPIC 1 – Internet of Things Promises–Definition

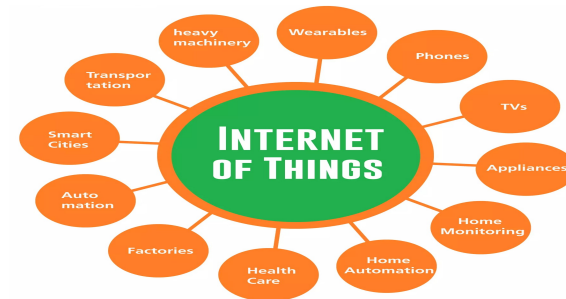




IoT Definition



- The Internet of Things (IoT) describes the network of physical objects—“things”—that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the internet. These devices range from ordinary household objects to sophisticated industrial tools.
- With more than 7 billion connected IoT devices today, experts are expecting this number to grow to 10 billion by 2020 and 22 billion by 2025.

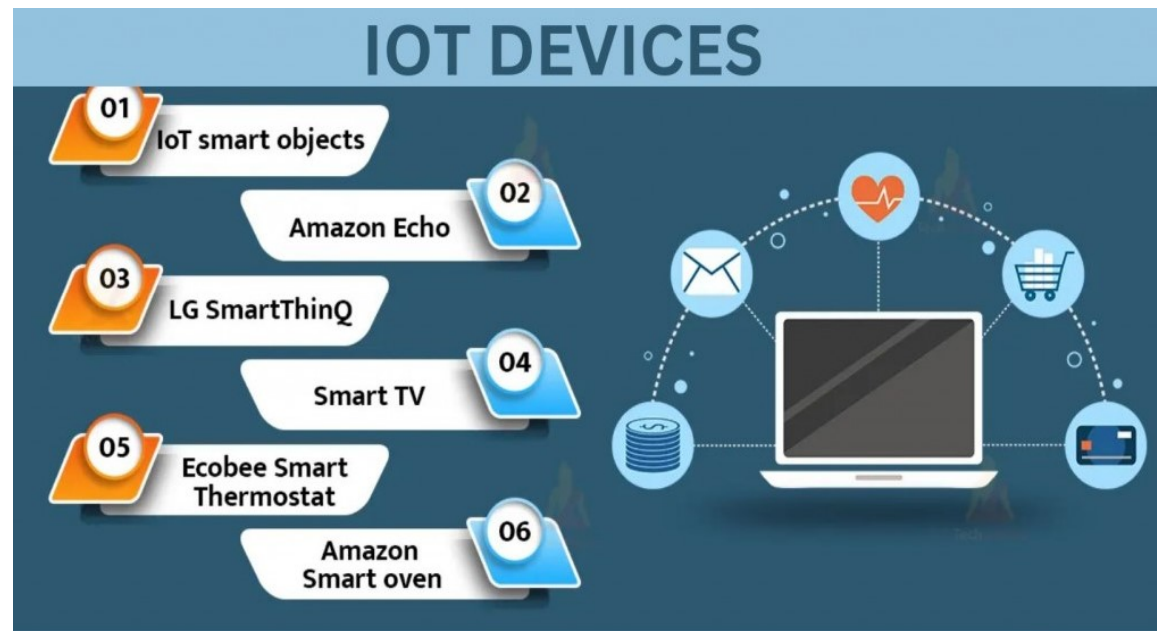


Internet Of Things





IOT DEVICES





KEY TRENDS IN IOT

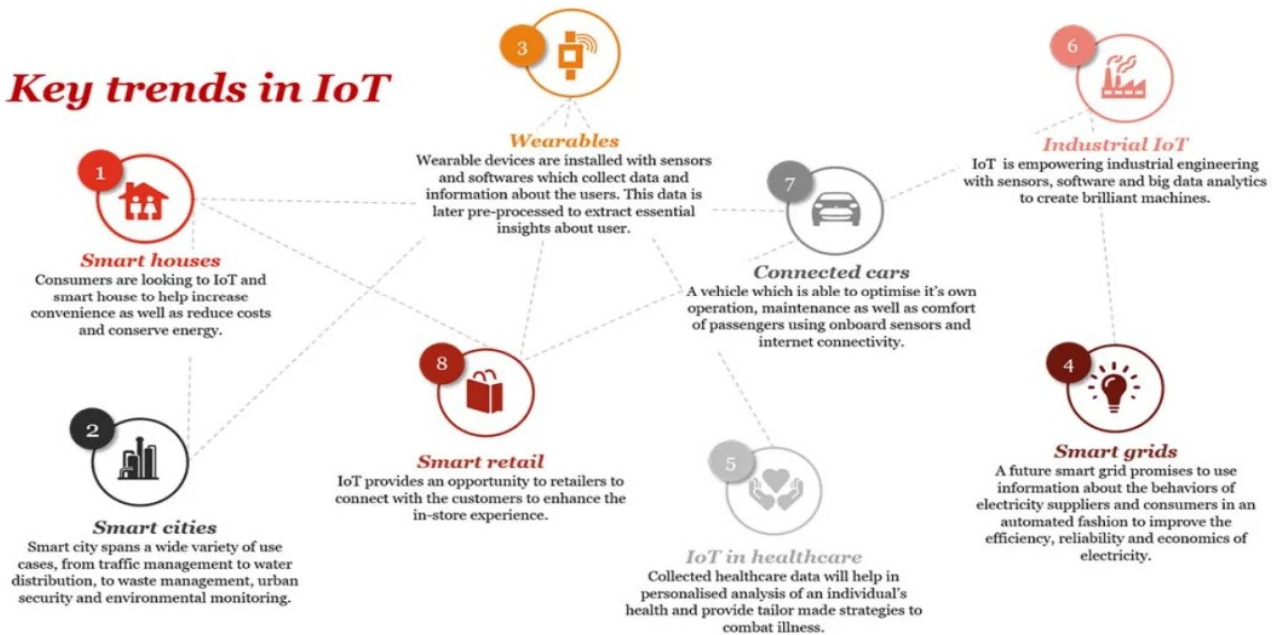
Key trends in IoT





KEY TRENDS IN IOT

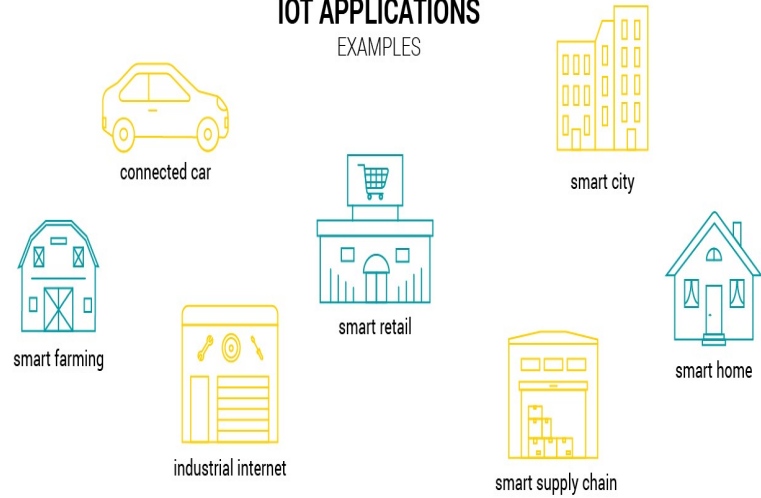
Key trends in IoT





where you can use IoT

IOT APPLICATIONS EXAMPLES



IoT

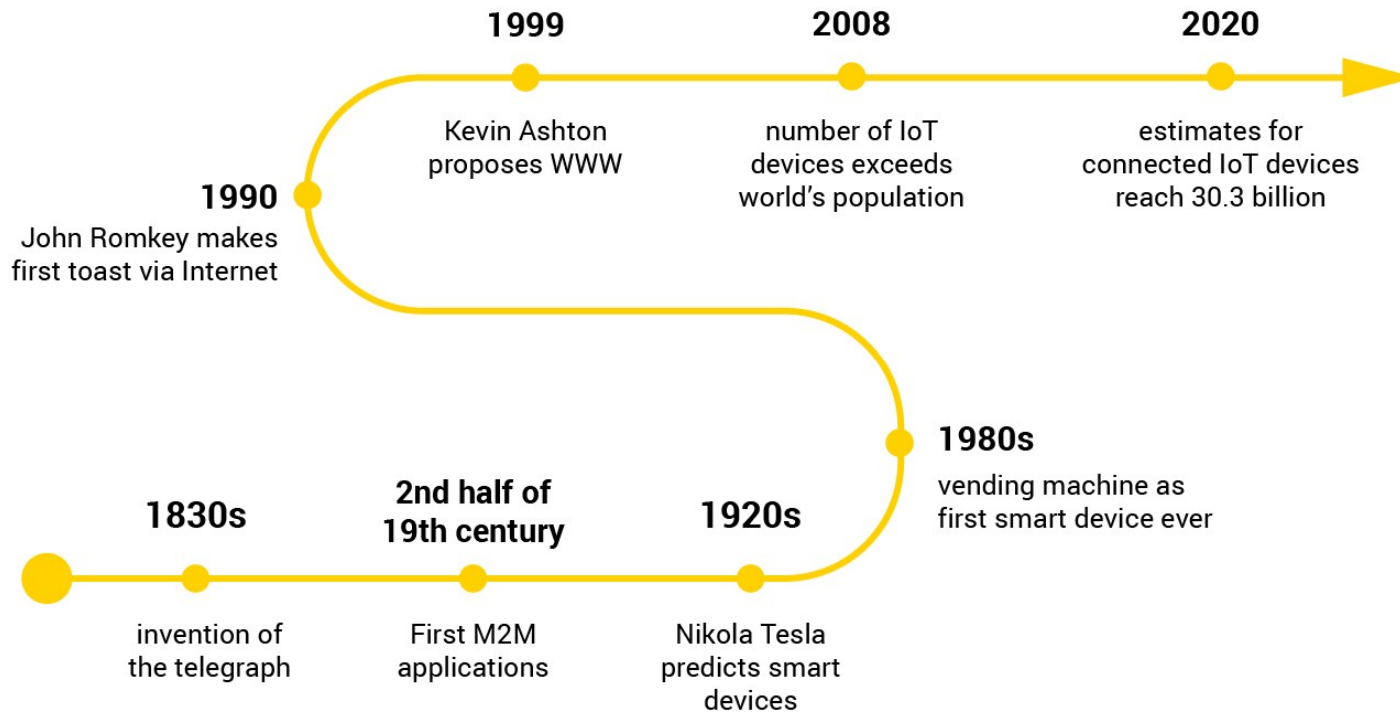


- Health Care System*
- Infrastructure Management*
- Environmental Monitoring*
- Energy Management*
- Transportation Management*
- Home Automation*
- Building Automation*
- Manufacturing Management*
- Large Scale Development*





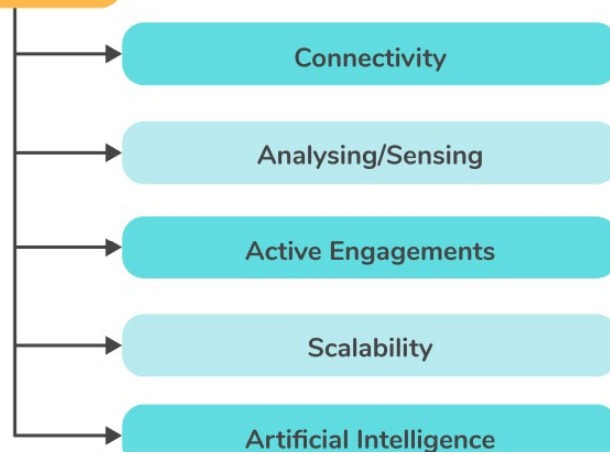
IoT HISTORY



CHARACTERISTICS OF IOT



Features of IoT

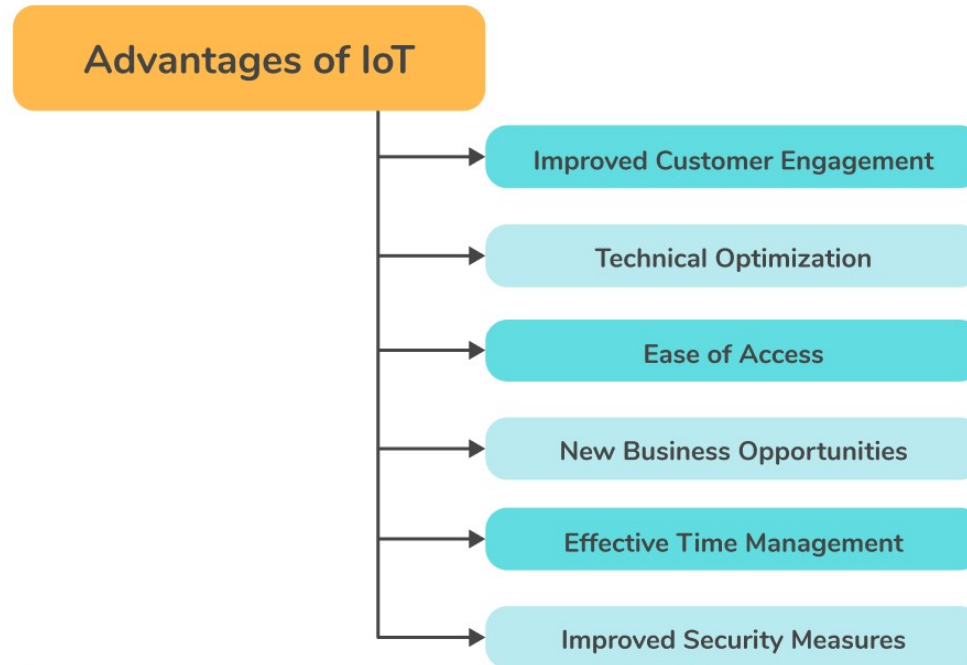


Components of IoT Ecosystem

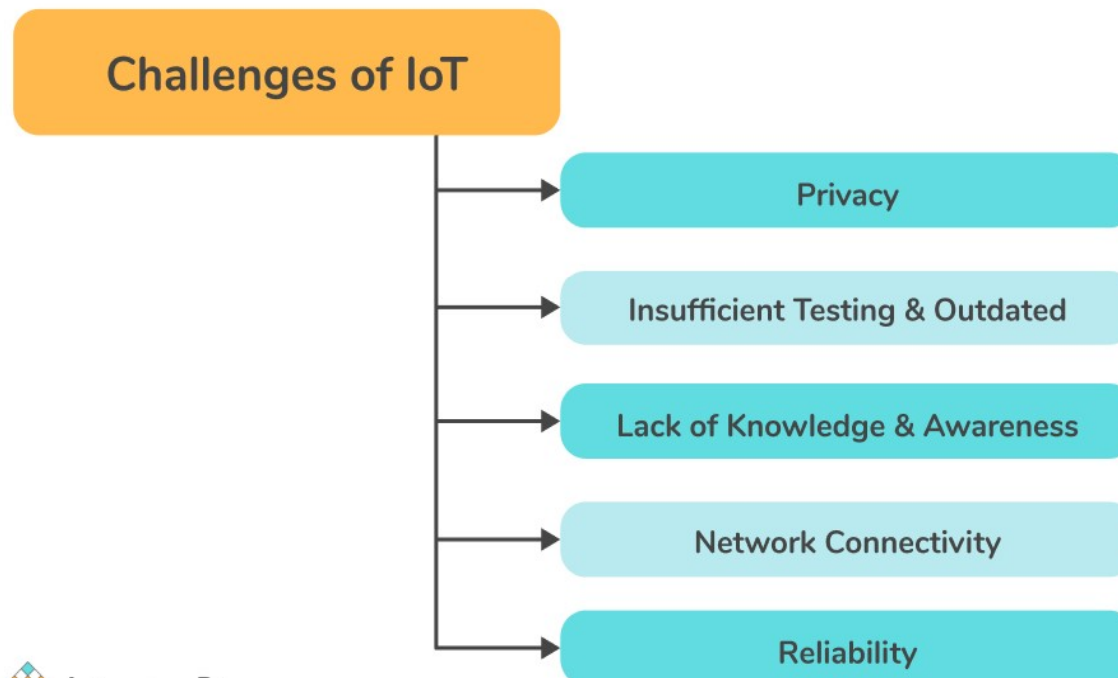




ADVANTAGES OF IOT



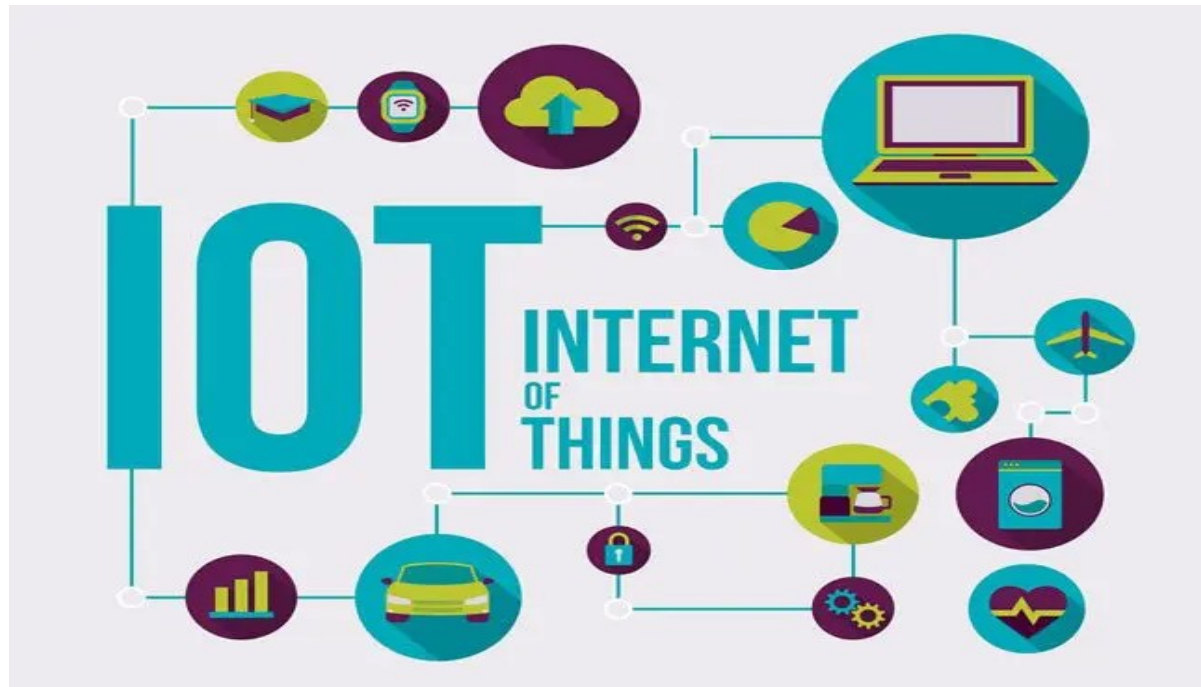
WHAT ARE THE CHALLENGES OR RISKS ASSOCIATED WITH IOT?





ASSESSMENT - 1

LIST MOSTLY USED SENSORS TYPES IN IOT





ASSESSMENT - 2



WHAT ARE THE DIS ADVANTAGES OF IOT





References



- [https://www.oracle.com/in/internet-of-things/what-is-iot/#:~:text=The%20Internet%20of%20Things%20\(IoT\)%20describes%20the%20network%20of%20physical,and%200systems%20over%20the%20internet.](https://www.oracle.com/in/internet-of-things/what-is-iot/#:~:text=The%20Internet%20of%20Things%20(IoT)%20describes%20the%20network%20of%20physical,and%200systems%20over%20the%20internet.)
- <https://www.interviewbit.com/iot-interview-questions/>
- <https://www.avsystem.com/blog/what-is-internet-of-things-explanation/>

Thank You

