



PMIST
Digital Learning Platform

Internet of Things



IoT



Dr. K. THIYAGARAJAN

Assistant Professor & Programme Coordinator

Department of Software Engineering

Periyar Maniammai

Institute of Science & Technology

Thanjavur - 613403, Tamil Nadu, INDIA

www.pmu.edu

THE INTERNET OF THINGS

IoT

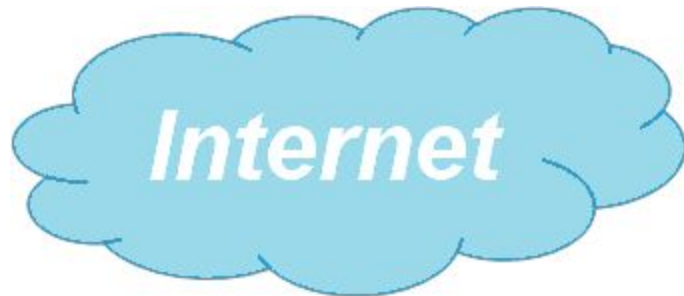


Dr. K.THİYAGARAJAN
Assistant Professor | SE | PMIST

IoT: An Introduction

IoT, short for the Internet of Things, embodies a vast network comprising physical devices, vehicles, household appliances, and various other items.

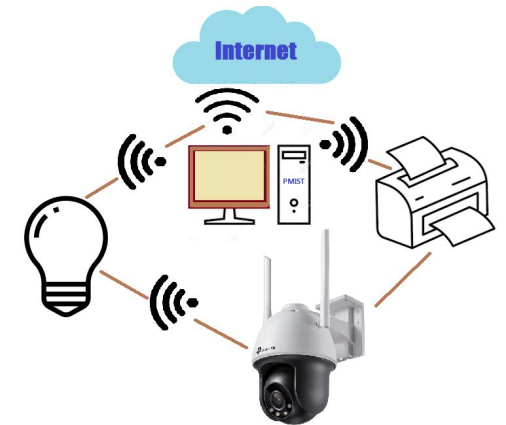
- ⦿ **Explanation** :It refers to a network of physical devices, vehicles, home appliances, and other items embedded with electronics, software, sensors, actuators, and connectivity.



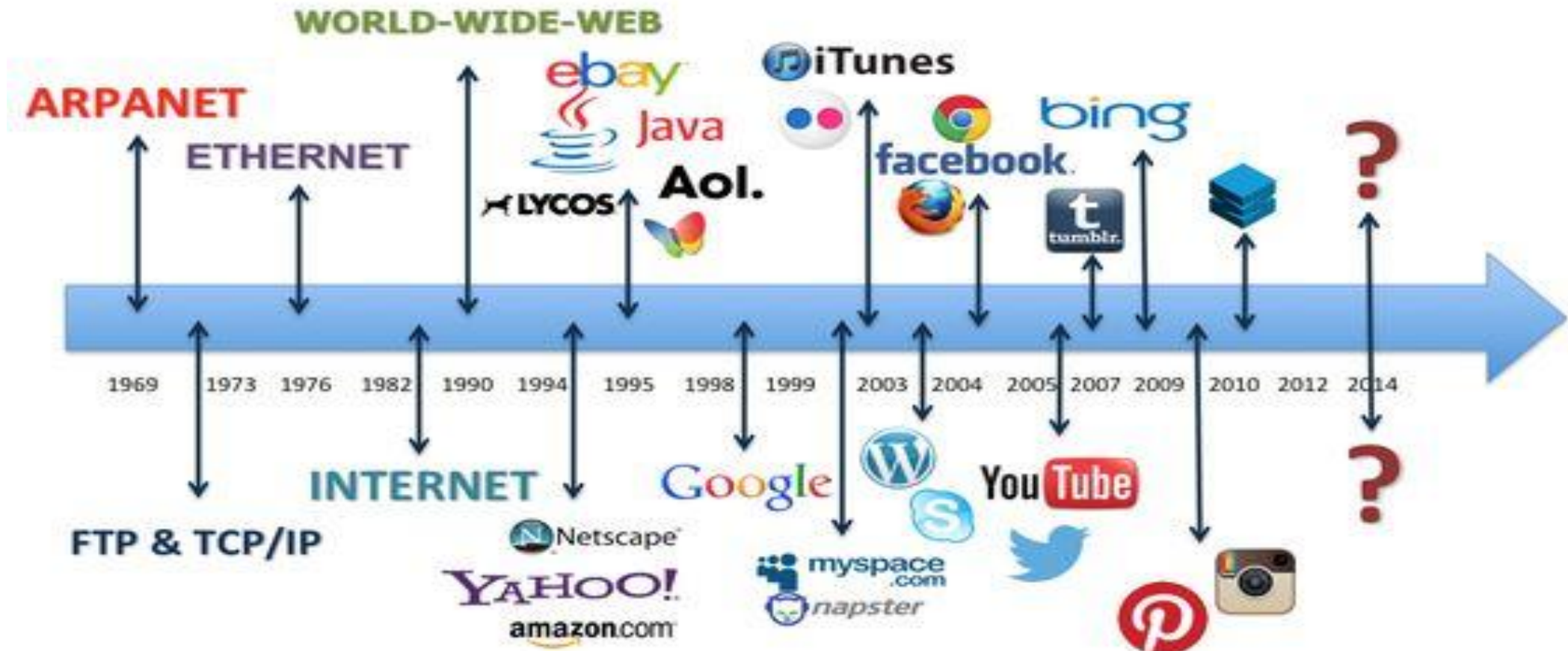
communication through network
(wire, wireless, satellite, etc.)

of **Things**

electronic devices (mobile,
computer, sensor devices, etc.)



History of Internet

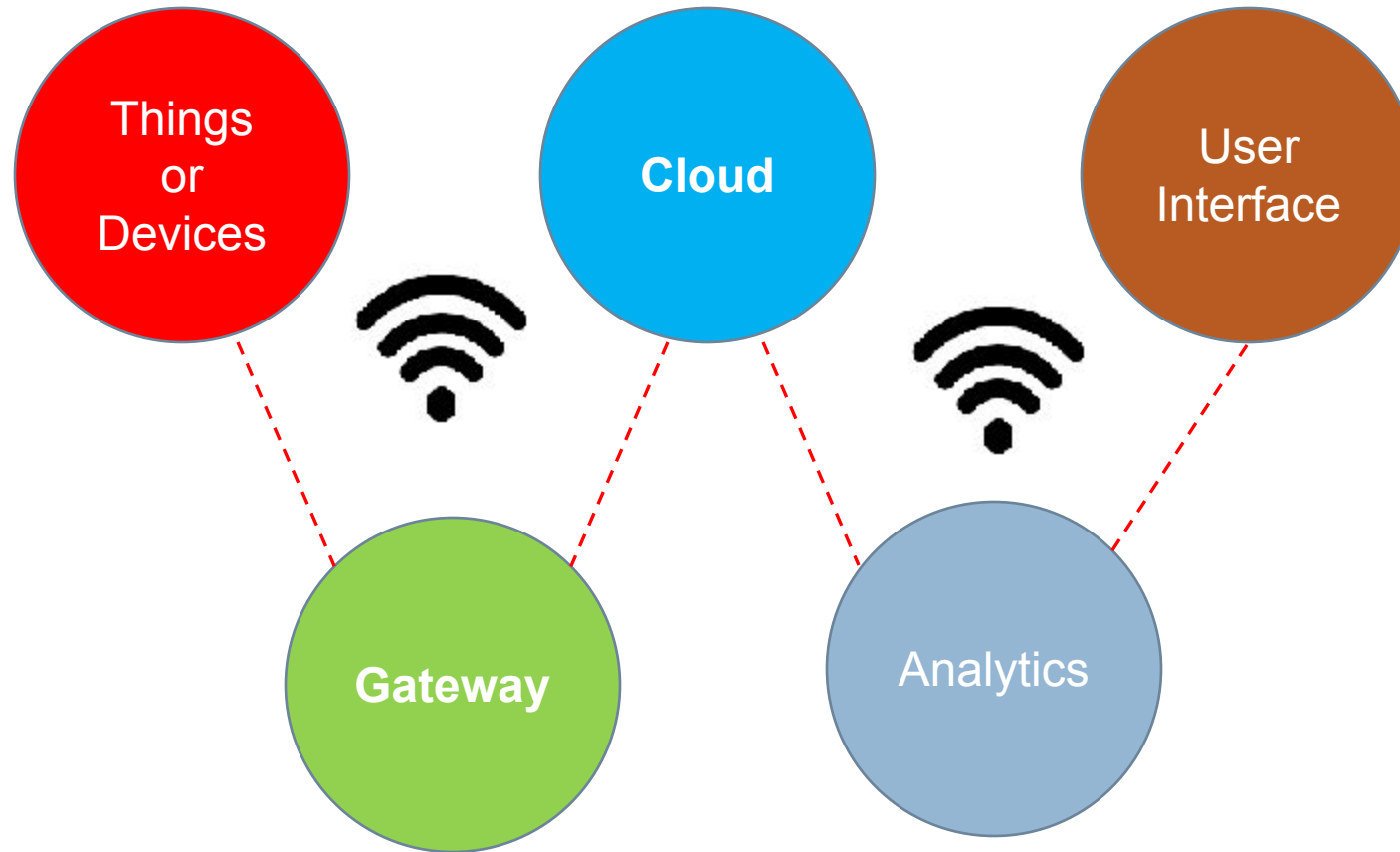


- Source : Evolution of internet | Internet history, Internet timeline
- Source : malonemediagroup.com

The Internet's Impact

- The internet has transformed our world, shrinking distances and bringing people closer together like never before. With just a click, we can connect instantly with friends, family, and colleagues from every corner of the globe.
- Email, social media, and messaging apps have revolutionized communication, making it easier and faster to stay in touch with loved ones. Whether sharing updates, photos, or heartfelt messages, these platforms have redefined how we express ourselves and nurture relationships.

Major Components of IoT



Major Components of IoT

- Things or Devices



- Cloud

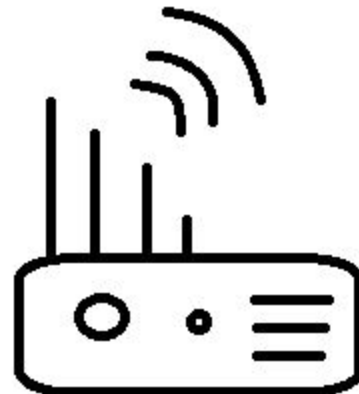


- User Interface

Cloud



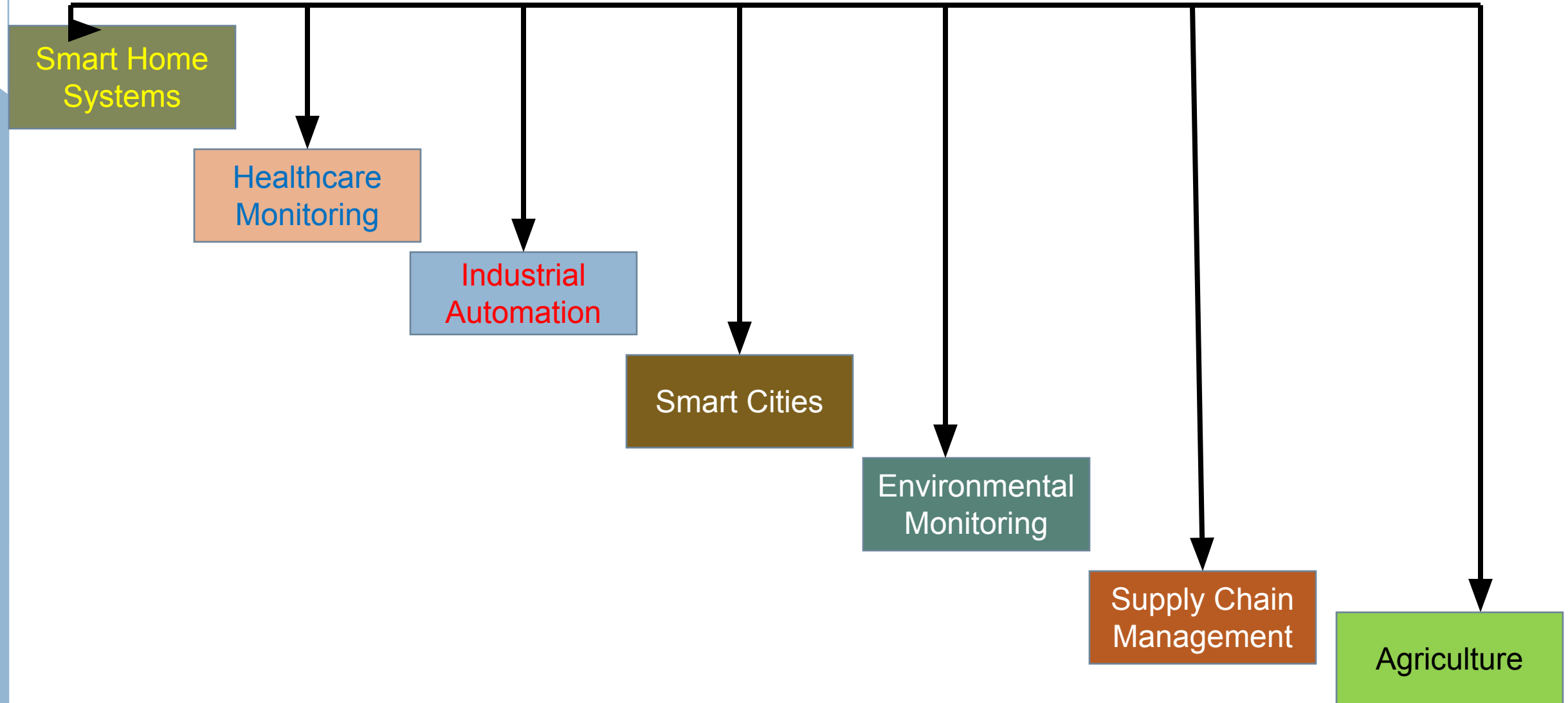
- IoT Gateway



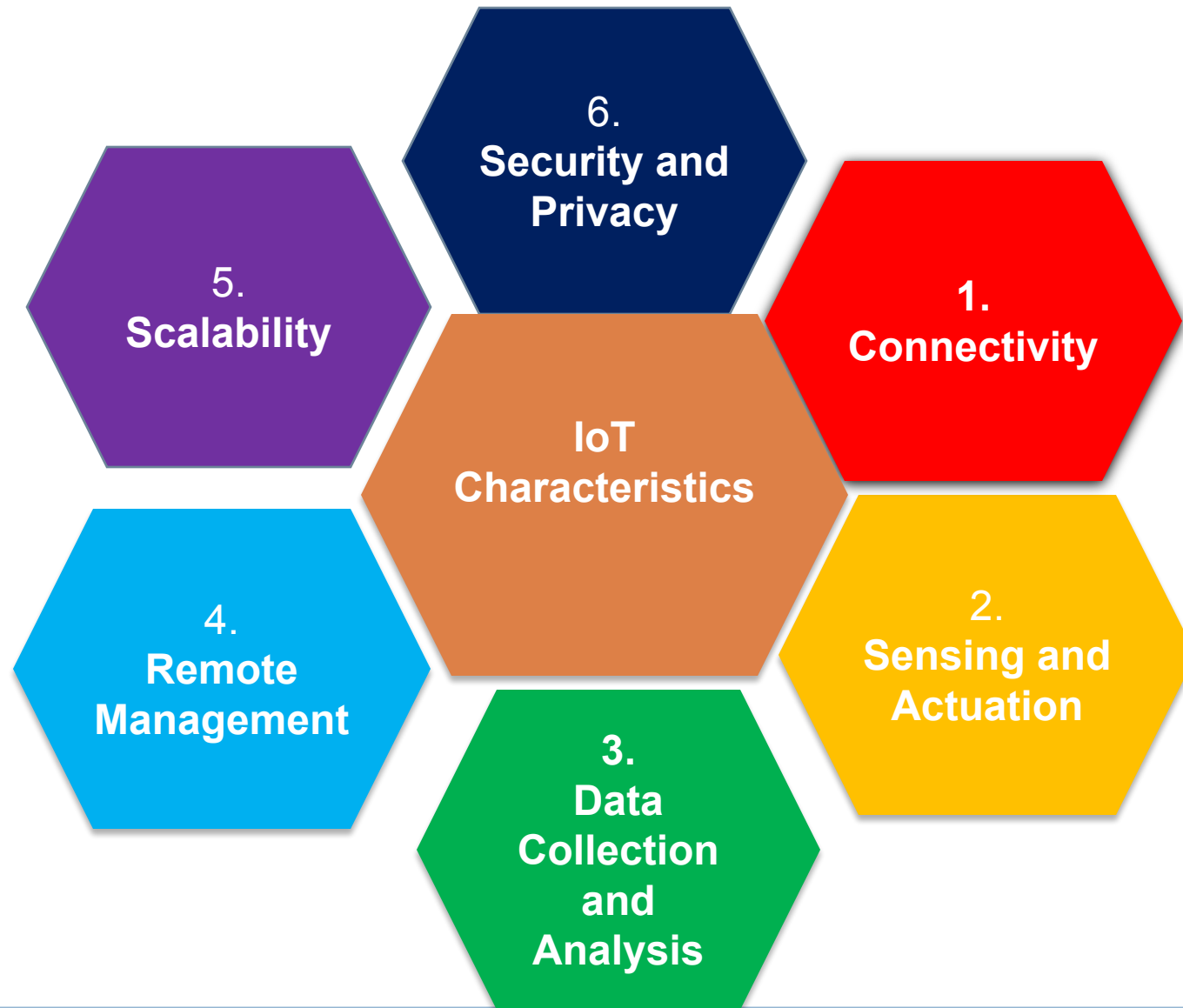
- Data Analytics



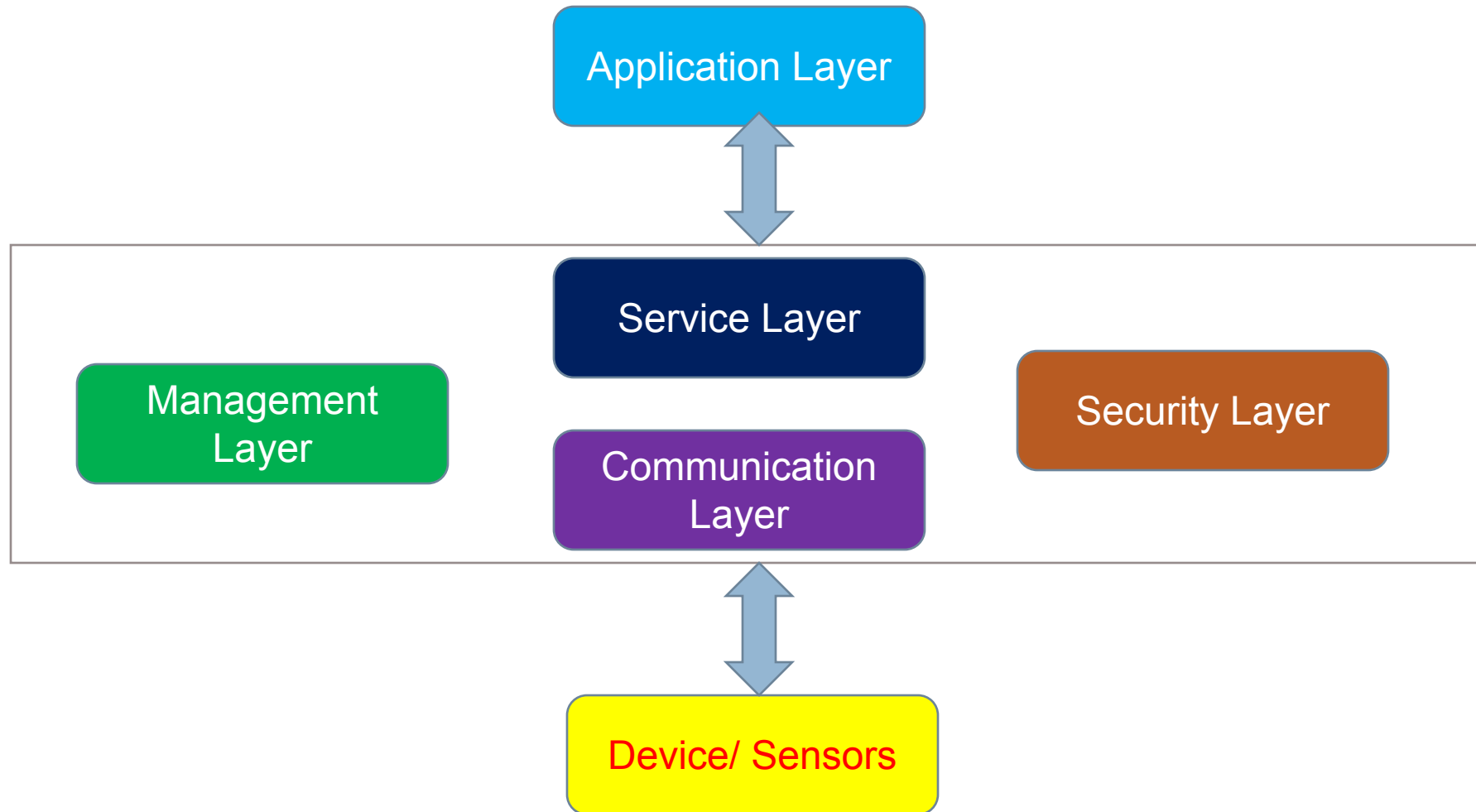
Exploring the Applications of IoT



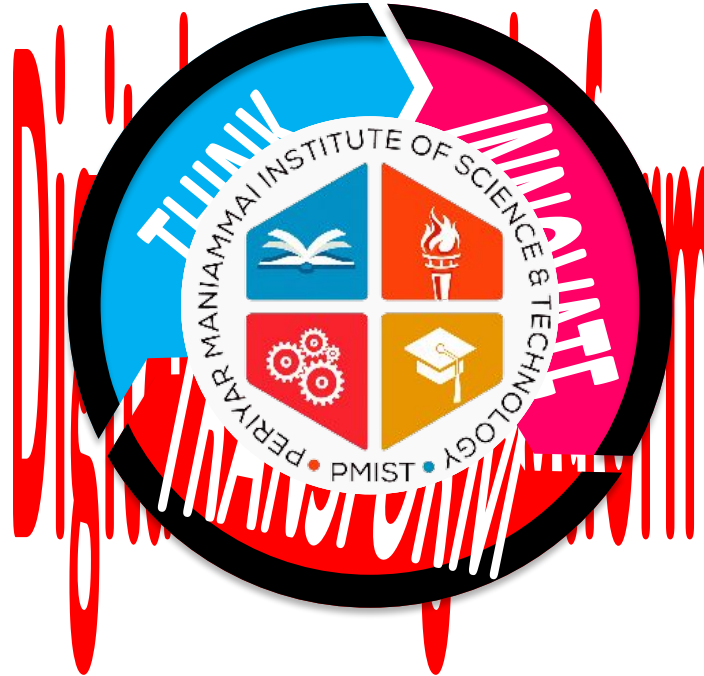
Key Characteristics of IoT



IoT Functional Blocks



THANK YOU



Feel free to write:

thiyagarajank@pmu.edu