Internet Of Things

IOT

Agenda

1. What is IOT?
2. Why it is important?
3. What is IIOT?
4. What are the IOT applications?
5. embedded systems In IOT
6. Projects builded on IOT included embedded devices.

What is IOT?

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.

Why is Internet of Things (IoT) so important?

Smart connectivity
Keeping high privacy and security of all connected devices
Treating big dataReducing the overall data latency among machine-to-machine interactions
Complexity

What is IIoT?

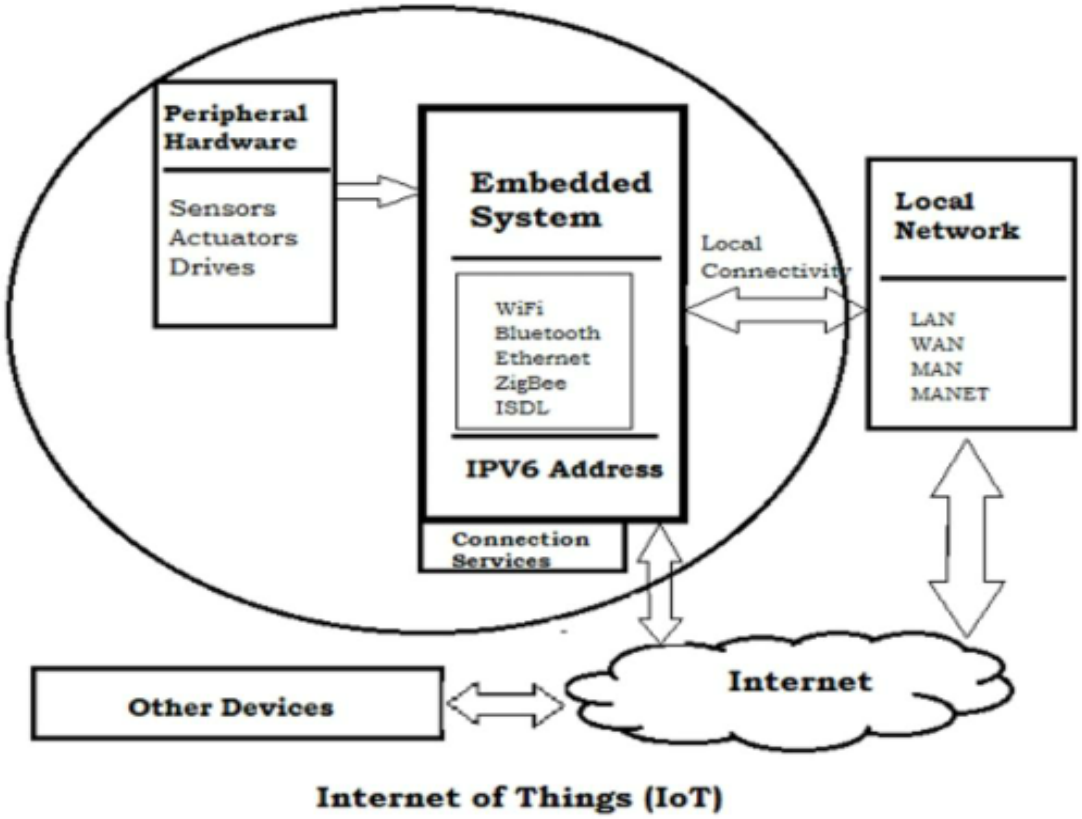
The industrial internet of things (IIoT) refers to the extension and use of the internet of things (IoT) in industrial sectors and applications.

Smart manufacturing
Connected assets and preventive and predictive maintenance
Smart power grids
Smart cities
Connected logistics
Smart digital supply chains

What are the IOT applications?

1. Manufacturing
2. Health care sector
3. Retail
4. Smart houses
5. Industrial automation
6. Business

Embedded Devices in IOT



Internet of Things (IoT)

It is essential to know about the embedded devices while learning the IoT or building the projects on IoT. The embedded devices are the objects that build the unique computing system. These systems may or may not connect to the Internet.

An embedded device system generally runs as a single application. However, these devices can connect through the internet connection, and able communicate through other network devices.

Projects on IOT included embedded systems

1. Smart Agriculture System
2. Weather Reporting System
3. Home Automation System
4. Smart Traffic Management System

5.Smart House.