INTERNET OF THINGS (IOT)

What is IOT?

Internet of Things (I.O.T) is a system of connecting computer devices, mechanical and digital machines, human identifiers, and information to or from a network without required human to human or human to machine or computer interaction.

Why we need IOT?

Industrial Applications

Industrial Applications investigate the quality of product in order to real-time optimizing to have a good marketing.

Energy Management

Energy Management are categorized with systems which are connected to internet and with some sensor to reduce power consumption.

Building & Home Automation

It is related to everything in home which have the potential to monitor and remote control to make comfort, secure, with low energy consumption

Advantages of IOT

- Monitor Data
- Ease of access
- Speedy operation
- Adapting to new standards
- Better time management
- Automation and control
- Saving money

Applications of IOT

- Smart home
- Wearables
- Smart City
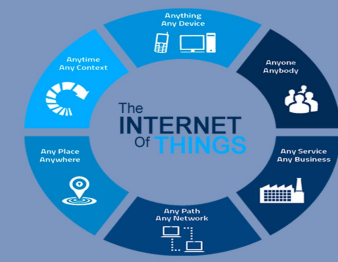- Industrial internet
- Connected car
- Smart farming

Examples of IOT

Industrial Security & Safety

Sensors and cameras can be used to monitor the perimeter of restricted areas and detect trespassers in non authorized areas.

Activity Trackers

These sensor devices are designed to be worn during day to monitor and transmit key health indicators in real time.

Motion Detection

Using sensors to detect motion or vibration in large - scale structures such as buildings, bridges, etc.

Smart Farming

An increasing number of farmers are using IOT enabled tools to monitor weather, soil composition ,etc.

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