

Computer Networks

1. What is the term IoT means? Mention some of the application of IoT in modern life with Example.

Answer:

IoT : The internet of things (IoT) is a computing concept that describes the idea of everyday physical objects being connected to the internet and being able to identify themselves to other devices. The term is closely identified with RFID as the method of communication, although it also may include other sensor technologies, wireless technologies or QR codes.

Some Applications in modern life:

- Transportation and logistics domain – Autonomous car
- Healthcare domain – Remote Patient Condition Check
- Smart environment (Home, Office, Plant) – Google Home
- Personal and Social Domain – Smart Watch / Auto updating activities in social media
- Enterprise – Environmental Monitoring
- Utilities – Smart Meter By Electricity supply Company
- Futuristic Application Domain: Enhanced Game Room.

2. Suppose your grandmother is a patient who lives alone and she doesn't know which medicine she needs to take at which time. For this particular scenario how could you use IoT to solve it? Which domain or application you should choose to solve this problem and Why?

Answer:

For this particular situation I use Healthcare domain of IoT. There will be a device which has four functionalities like Tracking, identification and authentication, data collection sensing which can assure to track the timing of taking medicine and collect the data and give a notification about to take the medicine at a particular .

3. What is IoT? Who introduced this term and when.

Answer:

IoT means Internet of Things the Internet of Things (IoT) is a novel paradigm that is rapidly gaining ground in the scenario of modern wireless telecommunications. The basic idea of this concept is the pervasive presence around us of a variety of things or objects – such as Radio-Frequency Identification (RFID) tags, sensors, actuators, mobile phones, etc. – which, through unique addressing schemes, are able to interact with each other and cooperate with their neighbors to reach common goals

The term internet of things was first coined by Kevin Ashton in 1999.

4. Say your kid who is under age is home alone and prohibited to drink cold water from the refrigerator. How can you remotely control this situation from your office using IoT technology and which domain you think will go with this situation?

Answer:

For this current situation we can use smart environment domain of IoT.

There will be a system that has functionality of comfortable home and remotely control home appliances using that we can control our home appliances access.