

## **Assignment no.2**

### **➤ Every day IOT devices around us and how they work?**

#### **• IOT devices are**

1. Smart mobile
2. Smart refrigerators
3. Smart watches
4. Smart fire alarms
5. Smart door lock
6. Fitness tracker
7. Smart security system
8. Microwaves
9. Coffee machine
10. Car
11. Geysers
12. Air conditioners

### **Working of IOT**

Sensors ↔ Gateway ↔ Cloud/Server ↔ Mobile App

IOT devices have sensors embedded into them. These sensors are capable of sensing their surroundings. The devices store the information in some form of data

The sensor embedded in these devices constantly emit data about the surrounding and on the working information of these devices

IOT serves as a platform to dump all the data collected by these devices.

IOT platform includes cloud servers and large database. The IOT platform acts on the data

It integrates and process the information further, the platform analyses the data thoroughly to gather important details . The platform then sends back instructions based on the data provided

Finally, the data aggregation is shared with other devices for better performances in the future.