# ASSIGNMENT-1

## 20 USE CASES OF IOT

* **Smart light:**

Smart lighting uses IOT-enabled sensors, bulbs allow users to manage their home lighting with their smart phone.

* **Temperature detector:**

Temperature detector sensor will send a notification to the user when the temperature detected is greater than room temperature.

* **Smart gateway:**

The smart gate senses the person at a certain distance and automatically gets open.

* **Drones:**

IOT technology in drones is the capability to perform drone operations from any pc connected to the internet.

* **Soil moisture detector:**

IOT uses soil moisture sensor to notify the user when the soil gets too dry or too wet.

* **Vehicle tracking:**

The user can track the vehicle in his mobile using the sensors connected to the vehicle.

* **Traffic detection:**

IOT enables the user to see the traffic density in his smart phone.

* **Smart parking:**

Smart parking development implies an IOT-based system that sends data about free and occupied parking places via mobile application.

* **Smart roads:**

Smart roads use IOT devices to make driving safer, more efficient, and in line with government objectives.

* **Driver less car:**

IOT enables the self-driving in the car using sensors.

* **Smart watches:**

Smart watches has many features like counting the steps,heart beat which are implemented using IOT.

* **GPS tracking belts:**

GPS tracking belts helps in tracking a person’s location.

* **Eye lock in smart phones:**

In smart phones, using technology eye lock feature is implemented. The phone gets unlocked when it senses our eyeball.

* **Smart air conditioner:**

Smart air conditioner automatically turns on when the temperature is high and we can operate it from our mobile too.

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* **Vacuum cleaner:**

Smart vacuum cleaner automatically cleans when it detects dust on the floor.

* **Endotronix sensor:**

Endotronix sensor is very useful for heart patients notifies to doctor when the patient gets heart attack.

* **Wind speed:**

The speed of the wind is detected using IOT based sensors and notifies to the user.

* **Watering to crops:**

Without any physical presence of a person, the crops can be watered automatically using IOT technology.

* **Water level in the tank:**

We can observe the level of water in the tank in our mobile itself by placing water level indicating sensor to the tank.

* **Controlling air quality:**

The air in our surroundings can be purified using air purifier which removes dust and gives the fresh air.