**Activity One Questions**

1. Define the term Internet of Things.

* IoT is the integration of people, processes, technology and devices to enable the monitoring, manipulation and evaluation of data and trends.

1. What is the role of sensor in IoT?

* Collecting and processes data from a specific environment for later monitoring and managing the collected data with efficiency.

1. What is the role of actuators in IoT?

* It is a part of the device which helps in achieving physical movements.

1. What is thermal sensor**?**

* A device/sensor used to measure the temperature and engage functional dependence of physical properties of the sensory materials on the temperature.

1. What is sound sensor?

* A module used to detect sound waves and its intensity and converts it to electrical signals.

1. What is the use of microprocessor in IoT?

* An electronic device consisting of arithmetic, logical and control circuitry and functions as a digital computers CPU

1. What is IoT hub?

* Hub is a device used to collect and send data received from the sensors and sends to the user

1. What is IoT gateway?

* A gateway is used to send the collected data received from the sensors to the internet/ cloud-based servers

1. What are the benefits of IoT?

* Access certain information from anywhere anytime
* Improves communication between electronic devices.
* Saves time and money
* Helps in automation to improve the quality of business and services by reducing human intervention

1. What are the pros and cons of IoT?

* Potential hackers could steal confidential information.
* Enterprises might need to deal with massive number of IoT devices.
* If one device is infected with a bug it is likely that all connected devices may be corrupted
* No international standards of computability for IoT devices