# WSN to Internet Communication

Elementrix Classes

Wireless sensor networks (WSNs) are networks of small, low-power devices that are used to monitor and collect data from the surrounding environment. In order to transmit this data to the internet or other external networks, a gateway is typically used to connect the WSN to these networks.

There are several different ways that a WSN can communicate with the internet, depending on the specific needs of the network and the available infrastructure:

❏ **Cellular:** A WSN can use a cellular network to transmit data to the internet. This can be done using a cellular modem connected to the gateway, or by using specialized sensor nodes that include a built-in cellular modem.
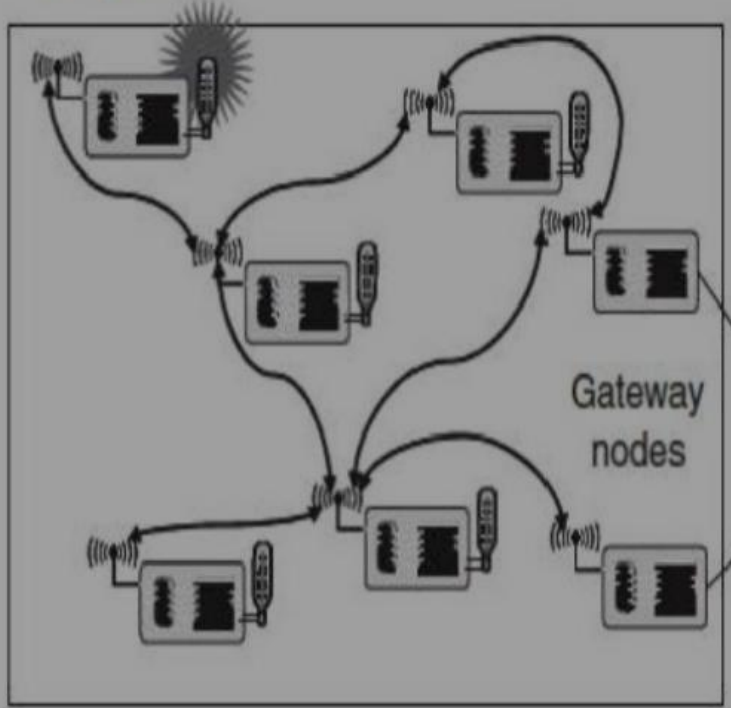
- ❏ **Wi-Fi:** If the WSN is deployed in an area with Wi-Fi coverage, it can use a Wi-Fi network to transmit data to the internet. This can be done using a Wi-Fi modem connected to the gateway, or by using specialized sensor nodes with built-in Wi-Fi.
- ❏ **Satellite:** In remote or hard-to-reach areas, a satellite network may be used to transmit data from the WSN to the internet. This can be done using a satellite modem connected to the gateway, or by using specialized sensor nodes with built-in satellite modems.
- ❏ **Long-range wireless:** In some cases, it may be possible to use long-range wireless technologies, such as LoRa or Sigfox, to transmit data from the WSN to the internet. These technologies can be used to transmit data over long distances, making them well-suited for remote or hard-to-reach areas.

पढ़िए और पढ़ाइये

SUBSCRIBE, SHARE, COMMENT