

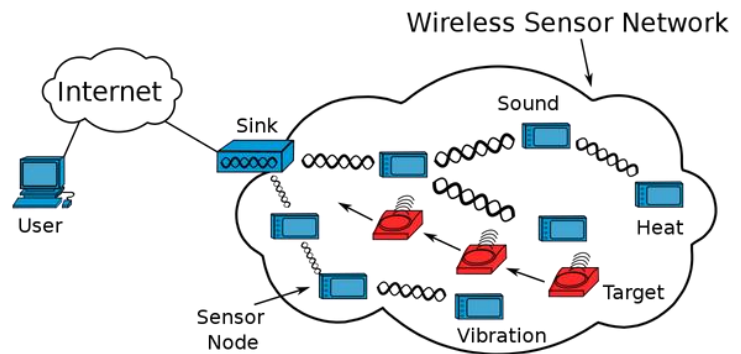


Sensor Networks



Sensor: a device that detects changes in a variety of environmental parameters such as temperature, light, motion, and pressure

Sensor network: a group of sensors where each sensor monitors data in a specific location and sends that data to a central location to be stored, read, and analyzed



Applications of Sensor Networks

How a Sensor Network Functions

A typical wireless sensor network will contain hundreds of thousands of sensor nodes. Such nodes are able to communicate to each other using radio signals. Once sensor nodes are deployed, they begin collecting desired information. Depending on the type of sensor network, actuators may be used to carry out an action based on the information received by the sensors.

Home Security



Environmental Monitoring

Surveillance



Earthquake Detection

Relevant Coursework

EEL 4930 - Sensor Networks and Smart Systems

<https://www.khanacademy.org>
<https://dewesoft.com/daq/what-is-a-sensor>
<https://www.intechopen.com/chapters/38793>