This course materials will assist you in developing the skills necessary to do the following:

* Explain the impact of IoT.
* Explain the interactions between people, process, data, and things that form the Internet of Everything (IoE).
* Configure networked devices and applications to support a given IoT implementation.
* Explain the benefits and challenges of IoT.
* Explain modeling and prototyping in IoT.

The Internet: The Place to Go

Normally, when people use the term Internet, they are not referring to the physical connections in the real world. Rather, they tend to think of it as a formless collection of connections. It is the “place” people go to find or share information. It is the 21st century library, video store, and personal photo album.

# Hyper-Aware, Predictive, Agile

What does it mean to be IoE-ready? IoE-ready is characterized by three critical attributes:

* **Hyper-Awareness** - Data from a broad range of sources can be captured in real time.
* **Ability to Predict** - New types of data analysis tools allow an organization to forecast future trends and behaviors.
* **Agility** - Increasingly accurate predictions allow organizations to be more responsive and flexible to emerging marketplace trends and threats.

Combining these three attributes allows organizations to better create, communicate, and deliver their offerings.