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Extra Credit Assignment: The Internet of Things

In a broad sense, the term ‘Internet of Things’ is used for anything connected to the internet. This includes everything from cell phones, coffeemakers, headphones, watches, and more. This also applies to components of machines, such as the drill of an oil rig or a jet engine of an airplane. According to Wired, “It is increasingly being used to define objects that “talk” to each other.” (What is the Internet of Things? Wired Explains) IoT is becoming increasingly more important and commonplace. The concept of IoT is not new and has been around for quite some time, but it now has become more cost-effective. In 2020, IoT is the driving force behind many everyday items we interact with. IoT has the potential to transform industries and the way we work.

The concept of the ‘Internet of Things’ relates to the MIS2502 curriculum because when we connect billions of things, this will generate a large amount of data from new sources. As Gartner describes, “This raises many opportunities for analyzing and exploiting this data. Analytics will be extremely valuable in predicting failure conditions in complex machinery, analyzing patterns of vital signs from health monitors, and many other situations. Multi-trillion-dollar economic value will result from this technology during the next few years. Data analysis will generate the majority of this value.” (The Internet of Things and Related Definitions) Related topics to IoT from MIS2502 is the concept of Extract, Transform, and Load. IoT produces a lot of data for businesses to sort through. The utilization of data mining techniques such as clustering, decision trees, and association rules will help businesses improve and expand.

There are various and endless examples of IoT in our everyday lives. However, in 2020 due to the Covid-19 pandemic and all its challenges that it has brought onto businesses, at the center of the shift to a “new normal” is IoT. Wired breaks down one example, “A smart building IoT management solution uses a variety of connected sensors to track energy use and manage desk occupancy. This all feeds into a building management system that helps detect busy areas and ensure social distancing takes place.” As the pandemic has changed the way we work and live, IoT will be utilized now more than ever before – and it is here to stay.

Works Cited

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“What is the Internet of Things? Wired Explains”, *Wired*,
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