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Chapter 15

The Role of Artificial Intelligence, Blockchain, and Internet of Things in Next Generation Machine Based Communication

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Summary

In a rough definition, IoT is a structure where real-world objects communicate with each other over the internet. Back in the 19th century when the electrical (electromagnetic) telegraph was invented, it facilitated between the machines via electric signals, thus the concept of communication of two similar entities over a central mode of transmission was already in place. During the 1980s in Pennsylvania, a group of students designed such a device to measure the amount of Coke remaining in the vending machine by installing microswitches into the machine. In 1999, the term internet of things was coined. The point that is being conveyed here in this research is to highlight the applications of Blockchain, AI, and IoT and how they converge together and work efficiently with the assistance of services like cloud computing.

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