Abstract

Internet of things and Artificial Neural Network are two diverse types of technologies. Their growth in last decade is astonishing and are in people’s reach. However, their integration together will result in elevated performance in field which are inevitable to touch right now like space technologies and many safety issues in industries globally. There are over 50 billion connected devices in IoT until the end of the next decade. This huge data has patterns in it which is difficult for humans to deal with as it could be structured as well as unstructured, Artificial Neural Networks can deal with this data and can learn from the pattern present in the data from which they can tell which Protocol/Steps to follow in different Circumstances. Loses of any type could be Minimized as well as productivity can be enhanced. IoT and ANN can be integrated by using different types of technologies like, Eclipse Mosquito and Eclipse Paho, Mqtt, different types of IoT sensor and other component for ANN like heterogeneous local device processors, decompose monolithic deep model network architectures etc. this system if implemented on massive scale can bring tremendous change in ways we construct our safety policy and backup plans as everything can be done on real time. Thus in this paper we focus
our attention on integration of ANN and IoT For purpose like Safety.

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Index Terms

Computer Science Artificial Intelligence

Keywords

Artificial Neural Networks, IoT, Safety Mechanism