



## **A SURVEY: INTRUSION DETECTION SYSTEM FOR INTERNET OF THINGS**

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### **ABSTRACT**

The Internet of Things (IoT) is an ever-growing network of smart objects. It refers to the physical objects are capable of exchanging information with other physical objects. It introduces various services and human's routine life depends on its available and reliable activities. Therefore, the challenge of implementing secure communication in the IoT network must be addressed. The IoT network is secured with encryption and authentication, but it cannot be protected against cyber-attacks. Hence, the Intrusion Detection System (IDS) is needed. In this paper, we discuss some security attacks and various intrusion detection approaches to mitigate those attacks.

**KEYWORDS:** Internet of Things, IDS, Security, WSN, 6LoWPAN