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(57) Abstract :  
 Artificial intelligence and a deep learning-based system are used to identify security assaults on wireless sensor networks. Digitalization will lead to an increase in the number of new information-technology applications. Information technology has evolved due to the need to secure personal and confidential data. Attempts to gain access to computer systems have increased in recent years. For the most part, Internet-based apps and cutting-edge technology like the Internet of Things are to blame (IoT). One of the most recent and unique scientific discoveries is a system that employs artificial intelligence and deep learning to detect possible threats to wireless sensor networks. Early detection, diagnosis, and treatment of various illnesses may all benefit from this technique. At the same time, it is faster and more accurate. In recent years, machine learning and artificial intelligence (AI) have been hot topics in communication systems. Consequently, it's critical to have a reliable system in place for keeping tabs on various parameters.

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