

Enhanced RFID Authentication Scheme for Distributed IOT System

Subham Ghosh, Pramod Kumar Maurya

Vellore Institute of Technology, Vellore, Tamilnadu

ABSTRACT

The development in the various communication process, it has increased the use of some smart applications like smart education, smart e-healthcare, etc. RFID tags can be used in these applications for identification. The importance of RFID technology has increased due to the popularization of the wireless networks. But the transmission channel is not secure in the wireless network. RFID tags operates from little bit distance, for the smart based application. An intruder might try to access the RFID-tag information in existing RFID based authentication. An enhanced RFID architecture has been proposed for distributed IoT applications. This proposed architecture will give less execution time in compare to other existing schemes. Through AVISPA tool, we tested how secure it is from the various kind of security attacks.

