

## **AN ANALYSIS OF SECURITY MECHANISMS IN SMART CARDS**

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### **ABSTRACT**

Smart Cards are often endorsed to be one of the most secure portable storage devices. This technology can provide identification, authentication, data storage and application processing. This paper presents an overview of the Smartcard Security and the threats, which it faces like Logical, Physical and Side channel. The dangers caused by these threats are discussed along with its basic countermeasures.

**KEYWORDS:** Smart Card Security, Side Channel Threats, Logical Threats, Physical Threats