

## **INTRUSION DETECTION SYSTEM (IDS) FOR MANET SECURITY**

**M. B. MUKESH KRISHNAN & P. SHEIK ABDUL KHADER**

### **Abstract**

MANET is venerable to attacks due to its mobile and ad hoc natures. The security issue is becoming a major concern and bottle neck in the applications of Mobile ad hoc Networks MANET. This paper focuses study, analysis of exiting Intrusion Detection System (IDS) and designs IDS for MANET. First stage started with the analysis of existing IDS for MANET. It is conducted based on reviewing features, security issues and requirements in Intrusion Detection Systems (IDS) for MANET. A comparison study is conducted to compare existing intrusion detection methods based on inputs, outputs, processes, advantages and disadvantages. As a final stage an IDS is designed for obtaining the security in MANET.

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**Keywords:** MANET, IDS, Security.