

## **A REVIEW ON INTRUSION DETECTION SYSTEMS IN MOBILE AD HOC NETWORKS**

**MAHESHWARI SONAWANE<sup>1</sup> AND SANIYA ANSARI<sup>2</sup>**

<sup>1</sup> M.E., Dept. of Electronics and Telecommunication

<sup>2</sup> Prof., Dept. of Electronics and Telecommunication

Dr. D. Y. Patil SOE Pune, India

### **Abstract**

A Mobile ad hoc network (MANETs) has become a need of today's fastest developing era and it is also observed as a one of the innovative research topic for the researchers. Due to the dynamic infrastructure and flexibility provided by MANET is has become an attractive technology for many applications like as rescue and tactical operations. A measure issue in MANET is security as it is an autonomous system of nodes which has no fixed infrastructure and also, due to continuous movement of mobile nodes it has dynamic topology so it is difficult to maintain security. Selecting proper Intrusion detection system (IDS) is now important concern for MANET applications. We have reviewed the Network layer attacks on MANET and IDS and its types and presented in this paper. With the help of this paper we have tried to classify the available IDS according to its application i.e. to detect the single attack or multiple attacks. This paper also provides the direction for the future research in the area of IDS.

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**Keywords:** MANET, Intrusion Detection Systems, Security.

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