



**RESEARCH ARTICLE**

# **New Data Mining Algorithm for Intrusion Detection in Networks**

**M. Penchala Praveen<sup>1</sup>, M. Sambath<sup>2</sup>, S. Ravi<sup>3</sup>**

<sup>1</sup>Computer Science and Engineering, Hindustan University, India

<sup>2</sup>Computer Science and Engineering, Hindustan University, India

<sup>3</sup>Computer Science and Engineering, Hindustan University, India

<sup>1</sup> [praveenkrishna@gmail.com](mailto:praveenkrishna@gmail.com); <sup>2</sup> [sambath1980@gmail.com](mailto:sambath1980@gmail.com); <sup>3</sup> [sravi@hindustanuniv.ac.in](mailto:sravi@hindustanuniv.ac.in)

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***Abstract— An intrusion detection system is a mechanism that monitors network or system activities for malicious activities. Intrusion detection and prevention systems (IDPS) are primarily focused on identifying possible incidents, logging information about them and reporting attempts. In organizations use IDPS for other purposes, such as identifying problems with security policies and deterring individuals from violating security policies. Intrusion detection systems have become a necessary addition to the security infrastructure of nearly every organization. Some systems may attempt to stop an intrusion attempt but this is neither required nor expected of a monitoring system, this work proposes a mechanism for real-world traffic and statistically analyzes these cases.***

***Key Terms: - Java Capturing Packets; Windows Capturing Packets; Classifiers 45; Intrusion Detection System; False positive; False Negative; peer to peer Application***

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