Due to excessive use of internet the problem of intrusion is also increased. So, to detect the intrusion in the network traffic, various AI based intrusion detection techniques are used but there is no such technique is available which is used for detecting the network attacks or monitors system activities for malicious activities and produces reports to a management station that can detect various types of network attacks with high accuracy. So the idea of this research paper is to find promising AI based method which classify each type of network traffic class and combine them by proposing an effective combination technique i.e. ensemble technique which can detect all network attacks, so as to increase the overall accuracy and
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performance of the IDS.

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**Index Terms**

Computer Science Security

**Keywords**

Tp Rate  Fp Rate  Precision  F-measure  Roc Area