Abstract

Great research work have been conducted towards Intrusion Detection Systems (IDSs) as well as feature selection. Feature selection applications have a great influence on decreasing development lead times and increasing product quality as well as proficiency. IDS guards a system from attack, misuse, and compromise. It can also screen network action. Network traffic observing and extent is progressively regarded as a key role for understanding and improving the performance and security of our cyber infrastructure. By using IDS attack can be detected in system as info is vital strength for every business. It can cause millions of harm within a few seconds. Security is important factor because reputation of business depends on it. So timely detection of intrusion is important so that preventive actions can be taken. IDS
framework has been proposed by using fuzzy feature selection method with ARTMAP. It has been observed that the proposed framework gives better accuracy in less time as compared to methods in literature.

References

- A Fast clustering based feature subset selection algorithm for high dimensional data, Qinbao Song, Jingjie Ni, and Guangtao Wang, IEEE Transactions on Knowledge and Data Engineering, VOL. 25, NO. 1, Jan 2013.
577–584.
- Swati Sonawale and Roshani Ade &quot;Intrusion detection system-via fuzzy ARTMAP in addition with advance semi supervised feature selection&quot; International journal of data mining and knowledge management process(IJDKP),vol. 5,no. 3,May 2015.

Index Terms
Computer Science Fuzzy Systems

Keywords
Feature Selection Intrusion Detection Redundancy Fuzzy Artmap.