



# International Journal of Research Publication and Reviews

Journal homepage: [www.ijrpr.com](http://www.ijrpr.com) ISSN 2582-7421

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## Using Data Mining Predict the Cyber Attack for Cyber Security

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### **ABSTRACT :**

The users access the network or serviced link to access the service. Nowadays increasing the number of data is transmitted online from one network to another network. Some create software to protect and be safe for computer networks. In this, a data mining tool is applied and prevents massive attacks from third parties or intruders. My paper presents the outlier detection technique and it used to overcome

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### **PROPOSED SYSTEM :**

- Identify the patterns to cyberattacks from historical data
- Apply the patterns to predict the attacks on a live network
- To help the management to reduce the business or personal attack

### **Advantages :**

The system uses the extracted patterns of prediction model on historical data can be applied to predict any future attacks.

### **SYSTEM SPECIFICATION :**

#### **HARDWARE REQUIREMENTS:**

- Processor : Intel Core i3 Processor
- Speed : 2.5 GHz
- RAM : 2GB(min)
- Hard Disk : 500MB
- KeyBoard : Standard Windows Keyboard
- Mouse : Two or Three Button Mouse
- Monitor : LCD

## SOFTWARE REQUIREMENTS:

- Operating System : Windows7/10.
- Application Server : Tomcat6.0/7/8.X.
- Front End : Java , HTML,CSS
- Scripts : JavaScript.
- Server side Script : Java Server Pages.
- IDE : Net beans
- Back End : MYSQL 5.0/ Heidi SQL 8.1
- Database Connectivity : JDBC

## MODULES :

- Login
- Register
- User Registration
- Threshold Dos attacks

## MODULES DESCRIPTION :

### ✓ Login :

Logging is usually used to enter pages that trespassers cannot see. Once the user is logging in, the logging log may be used to track what the user has taken while connecting to the site.

### ✓ User registration :

All the new users have to register. Each user is given a separate password with a user name. To access the account, use the username and password to log in.

### ✓ Threshold attacks:

If the collected data value does not suit the threshold value, then it indicates that kind of data leads to the poor performance of the device or network.

## CONCLUSION :

In this project, we need to reduce the attack in business side or personal.