



## FORENSICS INVESTIGATION WITH THOUSANDS OF AUTHORS

**Mrs.P.Venkateswari**

*Vice Principal, HOD/CSE, Erode Sengunthar Engineering College, Erode, Tamilnadu.*

**P.Anju , M.Nivasini , R.Shnega , K. Shivagami**

*UG Schloar, Department of CSE, Erode Sengunthar Engineering College, Erode, Tamilnadu.*

### ABSTRACT

*Social medias are today one of the most popular interactive medium to share, communicate and distribute a significant amount of human information. So information filtering approach can be used to filter the information in online social networks. In user wall, various data posted as user policies and shared by multiple friends. The accuracies of authorship attribute with tens or thousands of candidate are still relatively poor which is generally among 20%-40%, and cannot be used as evidence in the forensic investigation. Thus the system results in warning about such activities.*

***Index terms—Architecture, Existing system, Proposed system, Algorithm, Requirements, Explanation, References, Conclusion.***

### I.INTRODUCTION

Social medias are today one of the most popular interactive medium to share, communicate and distribute a significant amount of human interaction. But at sometimes so many problems are now raising due to misusing the system. Hence the information that are conversed in medias are monitored for safety measures. For monitoring, some of the filtering approaches are to be use in online social networks. In user wall, various data that are to be posted are of to the user policies and they are shared with multiple users on the media. This includes even unknowns those are fake to the users and wants together the information about the user. At that times, this monitoring system will help the user through a proper notification or it can be called as the simple warning about the illegal activity. After that its upto the users decision to keep them as their friend or not. In this system, current OSN (Orbit Showtime Network) is allowing unwanted to post or comment by violating the security of the user. Hence machine learning algorithm is to monitor the system activity and reporting without any manpower. After authenticating the profile we can achieve 40% of the security.

### II.EXISTING SYSTEM

Social networks enable a form of self-expression for users, and help them to socialize and share the content with others. Social network yet do not support any mechanism for privacy settings for shared content. The sharing of

personal data has emerged as a proper activity over online social networking sites like Face-book. As we all know the algorithm over current system is designed in the way that anyone can view any others profile and they can easily commence their communication. This does not need any authentication. The like and the comment for the post is designed more publically so that any unknown can view into our profile. This will lead to several problems in future. In the survey of 2017 has revealed that over 50-60% of the population get addicted to the social media and they were the part of them. Thus safety and security must be ensured for a healthy society. Many updations were done day-by-day. But till now the current system is not fully authenticated.

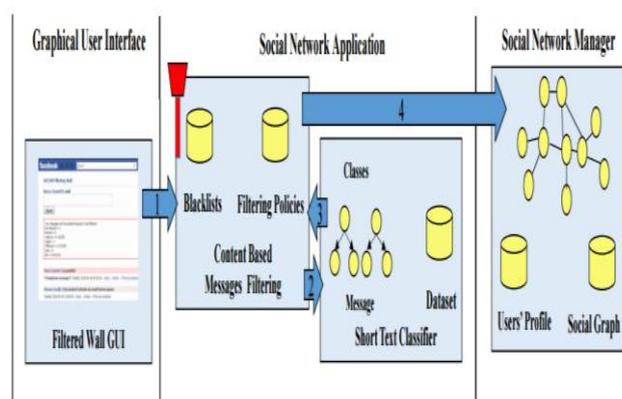
### DISADVANTAGES OF THE EXISTING SYSTEM

Existing system focus on sharing the data and that too includes images , audios and videos.The main aim is to attract the people and make them fall in this interesting system.Many features were added on this basis and not on security basis. Even some measures were taken those were not upto satisfaction.Difficult to analyze the short text tags.

### III. PROPOSED SYSTEM

Today’s modern life is totally based on Internet. Now-a-day’s people cannot imagine life without Internet. Also OSNs are just a part of modern life. From last few years people share their views, ideas, information with each other using social networking sites. Such communications may involve different types of content like text, image, audio and video data. But, in today’s OSN, there is a very high chance of posting unwanted content on particular public/private areas, called in general walls. So, to control this type of activity and prevent the unwanted messages that are written on user’s wall, we can implement the information Filtering Rules(FR)in our system. This filtering is through the text mining.Even it can be done through neural networking of artificial information, currently we proposed in text mining.

### IV.ARCHITECTURE

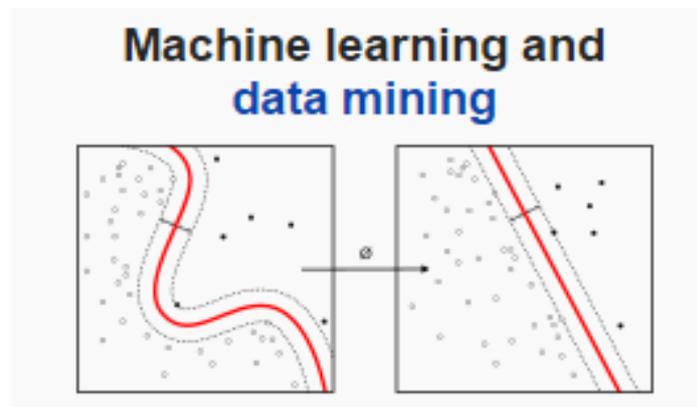


From the diagram we can clearly understand that the proposed system works in such a secured way. Here the filtered wall is the frontend of the system. It will be more user friendly and contains all the features as it has in the

existing system. Instead of interacting the database directly the 4 in the diagram shows how the content in the database is checked. The Social network manager manages the user account details. The tree structure in the above diagram is for the easier identification if the link between the user through analysing the user behaviour. In the above diagram the Blacklist is the data that has the constraints to analyze the behaviour of the other user's. This system is entirely is called as the content based filtering, as the data is monitored to check the behaviour.

## V.ALGORITHM

In this system, for analyzing the text both data and the machine support is needed. Here we use Machine learning and data mining that bridge the user and the dataset. So that a warning is reported through the machine analyzing if the data. Both plays a vital role. This algorithm is better when compared with the other. This won't be much complicate, in such a way it stands in its uniqueness.



Thus the above diagram shows flexibility in using the algorithms. We have designed the system in such a way that it could handle any adverse situations and to be much efficient. The machine learning is used because we couldn't wait for a human resource at all times to work constantly. Hence machine learning is chosen. It can work without any interruption, even if any constrain is not handled it can create a alert before we find.

## VI.ADVANTAGES

- The system will classify both the image and also the comments. So we can authenticate the unwanted intruders from publically posting any unwanted this. On continuing with such activities the three warning alerts were given. On crossing this limit that involved person is blocked from the user wall.
- The short text includes the short form that were used currently by all messaging and quick communicating purpose  
Were analyzed through STC approaches. Firstly their abbreviations were matched and then their are processed. As the current trend is shifting to the use of the short forms in more.
- As we discussed previously, the malicious user's account is blocked automatically. On doing such an activity the user is secured.
- Since the machine learning is used, it can handle the situations dynamically. This add-on robustness and flexibility to the system.

## VII. MACHINE LEARNING ALGORITHM

It focuses in the prediction-making through the use of computers. Machine learning can be unsupervised and be used to learn and establish a baseline behavioural profiles for various entities and then used to find meaningful anomalies.

Machine Learning tasks are typically classified into three categories, based on the nature of the learning “signal” or “feedback” available to a learning systems. Thus the algorithm clearly list the analyzing methodologies in detail.

## VIII. CLUSTERING ALGORITHM

Clustering is the process of making a group of abstract objects into similar objects. The main advantage of clustering over classification is that, it is adaptable to changes and helps single out useful features that distinguish different groups.

Clustering is also used in outlier detection applications such as detection of credit card fraud.

## SYSTEM SPECIFICATION

A dual core processor of 2.6.0 GHZ, 1GB RAM, 160 GB Harddisk, 650mb Compact disk, a keyboard and 15 inch colour monitor.

## SOFTWARE REQUIREMENTS

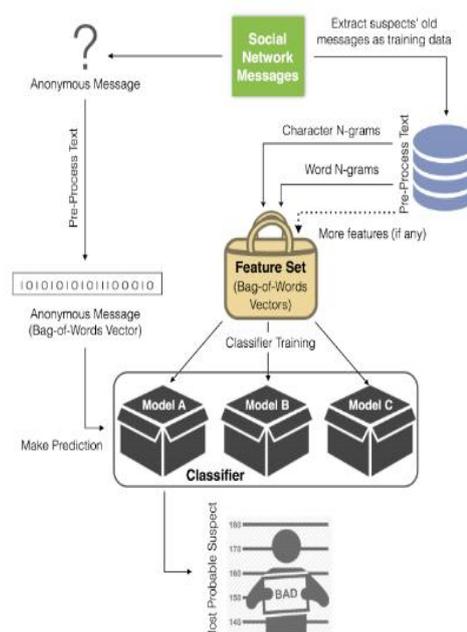
The Operating System required is WINDOWS OS.

The front end is desgined using the languages of PHP and PHYTHON.

The backend is created in MYSQL 5.0.5 1b

IDE is Macra Media Dreamviewer

## ENTIRE SYSTEM ENVIRONMENT:



# Second International Conference on Nexgen Technologies

Sengunthar Engineering College, Tiruchengode, Namakkal Dist. Tamilnadu (India)



8<sup>th</sup> - 9<sup>th</sup> March 2019

[www.conferenceworld.in](http://www.conferenceworld.in)

ISBN : 978-93-87793-75-0

## IX. CONCLUSION

In this project, we are using the software system to filter unwanted messages from social network walls. We can design filtered GUI for user based on user actions, behaviours. Then exploiting a flexible language to specify Filtering Rules(FRs), by which users can state what contents, should not be displayed on their walls. This results in authenticated and flexible system for those who use the social network.

## REFERENCES:

- Abbasi and H. Chen. Applying authorship analysis to extremist-group web forum messages. IEEE Intelligent Systems, 20(5):67–75, 2016.
- Abbasi and H. Chen. Writeprints: A stylometric approach to identity-level identification and similarity detection in cyberspace. ACM Transactions on Information Systems, 26(2):7, 2016.