CONTENT BASED EFFICIENT APPROACH TO REMOVE MALICIOUS TEXT USING OSN WALLS

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ABSTRACT

Now a days social network become very popular and on line social networks is to give users the ability to control the messages photo posted on their own private space to avoid that unwanted content is displayed on walls.A propose system allow on line social users to have a direct control on the messages,images posted on their walls. This is achieved through a new design rule-based system, that allows users to customize the filtering criteria to be applied to their walls, and a Machine Learning based soft classifiers are used automatically labeling messages in support of content-based filtering such as image and text. It is achieved through a flexible rule based system, that permit users to customize the filtering criteria to be put on their walls, and a Machine Learning based soft classifier automatically labeling messages in endure of content based filtering.

Keywords — OSN, Information Filtering, Short Text Classification, Policy-based Personalization**.**

I INTRODUCTIO

Now a days online social networking services become very popular among the users such Facebook. Social networks which use online service are allowed to the peoples to join other organization it may be business or any other . Now a days these services and many applications comes with the some problems of unwanted messages to user walls because of these problems user's daily activities in OSN . Online social networks have popular way to communicate with collaborative people's world wide. In that share, comment or post these things are mainly includes. There is large amount of data is shared or posted on the wall in the form of messages, comments . This thing contains wanted and unwanted data according to user requirement . User's faces many problems because of OSN wall unwanted post by using message filter method it can be easily removed in online social network for better communication. In system data classification method is used to avoid unwanted data. In this proposed paper filtering methods can be different on data this happens due this factors that in OSN there is possibility of posting or commenting other posts on some areas is known as general walls. social Information filtering user can automatically manage the system that he/she will be writing a message on his or her OSN user wall. In facebook ask for permit to user when someone gets posted on his social wall but it is only ask about the what type data person post on his/her wall. There is based functioning done malicious, vulgar messages are also taken and as good content on user wall. That will pay a cost insult to user own on in front of world. This problem can be defect in this system. In this system also provide a ability for user perspective to take decision what type of data should be user want to see as two part first data one is unfiltered wall and other side is filtered wall. This system also gives to user surely about fake accounts doesn't allow. That means it will be helpful in the perspective of user need. This approach helps user to find known and as well as unknown person in which he/she is interested in making friends and group. Filtering technique is done automatically in the system when user online or offline in . Means also a new feature added in that system to provide offline security. Text categorization techniques in machine learning process are also used in system for allocating the short text based on the content automatically. Steps that are included in this technique like short text classifier is first step, blacklists and filtering rules. Message filtration is done automatically this is called filtered wall.

II LITERATURE SURVEY

Traditional online social networking sites security problems are mostly occurs like as a fake accounts unidentified friend request are received by the unknown peoples etc [5]. When user share or post anything on OSN between among users hence there is no any identity to provides for the user hence there for one user can create more accounts with different names. This help to avoid illegal event [2]. In current system content based filtration are not

provided therefore there is to prevent unwanted messages from user walls such as political, social etc contents and there is no need of who post that messages [10]..

III RELATED WORK

EXISTING SYSTEM

online social services that has not been provided in today OSNs provide very little support to prevent unwanted messages on user walls. example Face book allows users to insert messages in their walls and there is no content-based preferences are supported and hence therefore it is not possible to prevent such undesired messages, such as political or vulgar ones, no matter of the user who posts them. Providing services is not only to solve a matter of using previously defined the web content mining techniques for a different application, rather than it requires to design ad hoc classification strategies. On this reason because wall messages are constituted by the short text for which traditional classification Methods have been serious limitations since short texts do not Provide sufficient word occurrences.

PROBLEM STATEMENT

Now a days spam problem has already received attention from many researchers. While email spam, a seemingly very similar problem, has been extensively studied for the years. Bulk of the existing solutions are not directly applicable.

OBJECTIVES

- Filtering an unwanted information from online social network as wall as per user requirement.
- Alert user from phishing links and sites.
- Images are scanned to identify whether it contains any text hidden in it, and thus the image is discarded.
- Making OSN more reliable, secure, trustworthy and comfortable for the user.

MOTIVATION

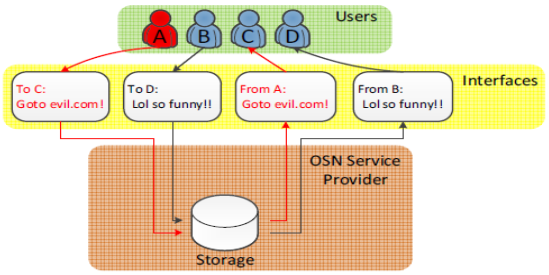
The growing use of Social Networking sites in day to day life, it has become necessary to secure the Online Social Networking makes it more reliable to the user to use it. Our intention is that to develop this system is secure the online social users from phishing links and the stegano graphical images that may spread unnecessary information through the OSN wall. Also our purpose is to provide the user with the user defined patterns which the user can give to filter OSN wall according to user requirements.

PROPOSED SYSTEM

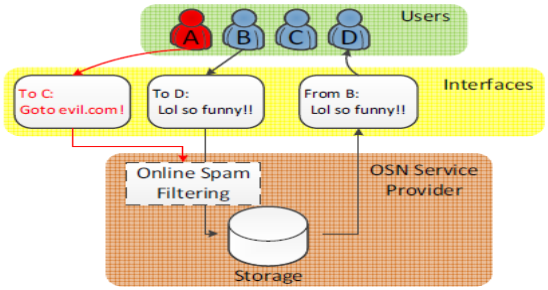
Filtered Wall technique is used to filter unwanted messages from OSN user walls.So that we used Machine Learning text categorization techniques [4] It is used to automatically assign with each short text message a set of categories based content. The major efforts in building a robust a short text classifier are concentrated in the extraction and selection of a set of characterizing, classifying and discriminate a set of features. The solutions investigated in this proposed paper are an extension of those adopted in a previous work by us [5] from which we inherit the learning model procedure for generating pre classified data..

BACKGROUND

Online Social Networking wall is the application that is associated with the email address of the user. That can contains different function such as chatting, posting messages, update status, adding friends and many more. Some of the examples are Facebook wall, Twitter etc Message Filtering is, When a message is delivered to a local user of Mail Server, it is stored in the INBOX folder. In Web Mail, each user can define a set of actions to be performed on all new incoming messages and their conditions. These actions are called filters and are specified through filtering rules. Filtering does not means refusing email messages or sorting them to folders, but it includes other actions such as notifications, automatic replies such as forwarding the message to a different email address, etc.



(a) The scenario without the deployment of our system.



(b) The scenario with the deployment of our system.

IMPLEMENTATION

Implementation of a new project when the theoretical design is turned out into a practical working system. It can be a critical stage in achieving a successful new system and in giving the user, confidence that the new system will work and effectively.The implementation stage involves careful planning, investigation of the existing system and it's constraints on implementation, designing a new system and methods.

MODULES:

1. Filtering rules

Define a Filter Rule or specification, we consider three main issues that, in our opinion, should affect a message filtering decision.OSN used in everyday life the same message may have different meanings and relevance based on who writes it. FRs should allow users to state constraints on message creators. In such a way it is for instance, possible to define rules by applying only to young creator or to creators with a given religious and political view. In such cases of social network scenario creators may also be identified by exploiting information on their social graph. This implies to state or conditions on type, depth and trust values of the relationship creators should be involved in order to apply them on the specified rules. All these options are formalized by the notion of creator specification, defined as follows.

2. Online setup assistant for FRs thresholds:

OSA module is responsible for presenting the user with a set of messages selected from the dataset For each message she or he user tells to the system the decision to accept or reject the message.

3. Blacklists:

Proposed System consist of a set of component of such as BL mechanism to avoid messages from creators and independent from their contents. Black List s are directly managed by the system and which should be able to determine who are the users and to be inserted in the BL and decide when users retention in the BL is finished. To enhance flexibility, such information
are input to the system through a set of rules, here after called BL rules. Such rules are not defined by the SNM network they are not means as general high level directives to be applied to the whole community .Relative Frequency that let the system be able to detect those users whose messages continue to fail the FRs. There are two measures that can be computed either locally, that is, by considering only the messages and/or the BL of the user specifying the BL rule locally or globally, that is, by considering all OSN users walls and/or BLs.

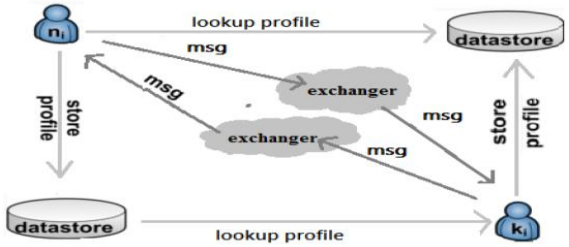


Figure 1: Message flow Architecture

Figure 1 shows the basic architecture of flow of message in social networking. It first involve searching or looking for profile and then the messages are exchange between two different users. Also the exchange messages will be store in appropriate database.

EXISTING ARCHITECTURE

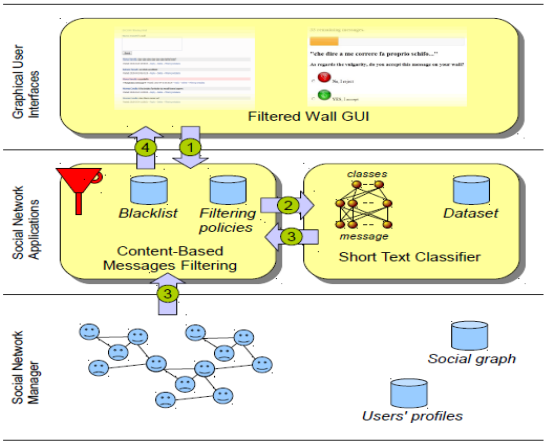


Fig 2 Filtered Wall Conceptual Architecture and the flow messages

Figure 2 represents the system architecture of our Existing system.

These are three layers are introduced in the proposed system:

1. Social Network Manager (SNM)
2. Social Network Application (SNA)
3. Graphical User Interface (GUI)

SNM is an essential component of OSN functionality and maintain a data regarding to user wall also provide basic OSN functionalities to support external applications. SNA is used for supporting middleware applications in OSN framework . GUI used for setting up a filtering wall that is only show those messages which is user want to see on their wall.

SYSTEM OVERVIEW

Proposed System Architecture shows that how the system works to avoid unwanted comments or messages. Private wall is used the control to the user for handling the unwanted messages automatically when he or she offline or online. Firewall means filtered wall contains by using filtering rules which are used for filtering method when useless data gets posted on the user's wall. Creator specification and online setup is done for user's threshold setting only for first appearance for that purpose used there are two important filtering rules which is involved in this system.

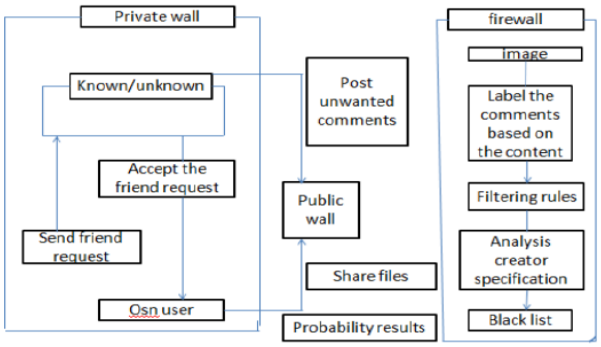


Figure 3: System Overview Diagram

Figure 3 shows how a system works and also shows the two wall architectures. How a system provides a flow of messages from source to destination one user to his or her known or unknown person. Private wall is used for show only malicious data on use wall means personal private wall which is confidential. Firewall means filtered wall which is used for showing only filtered messages on user private wall. Filtering rules are the main factor in the filtered wall for message filtration. Filtered wall is like boundary for user wall security.

CHALLENGES FACED

•User's data will share to un authorized person and can't specify which users can view or comment their data.
•Photo tagging restriction will remove the user's name from the tag but not the photo content.

PROPOSED IMPLEMENTATION

OSNs provide very little support to prevent unwanted messages on user walls. For example,Facebook allows user to state who is allowed to insert messages in their walls(i.e., friends of friends, or defined groups of friends).However, no content based preferences are supported and before it is not possible to prevent undesired messages,such as political or vulgar ones,no matter of the user who posts them. Short text do not provide sufficient word occurrences[1],[2],[3].When a user uploads a photo allow tagged users to remove the tags links to their profile or report violations asking facebook managers to remove the contents that they do not want to share with the public.Removing a tag from a photo can only prevent other members from

seeing a user's profile by means of the association link,but the users image is still contained in the photo.Since original access control policies cannot be changed, so the users image is still continues to be revealed to all authorized users. Hence ,it is essential to develop an effective and flexible access control mechanism for OSNs, accommodating the special authorization requirements coming from multiple associated users for managing shared data.

SYSTEM CONFIGURATION:-

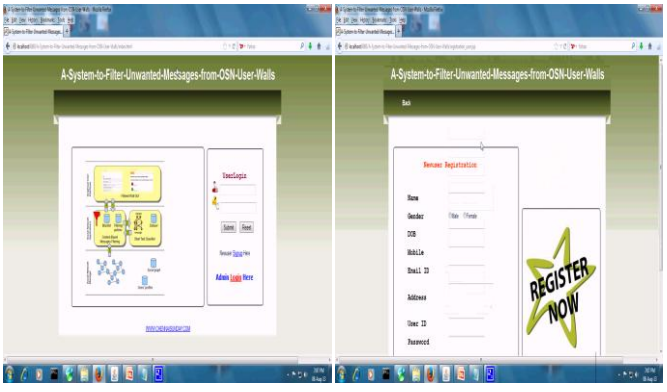
H/W SYSTEM CONFIGURATION:-

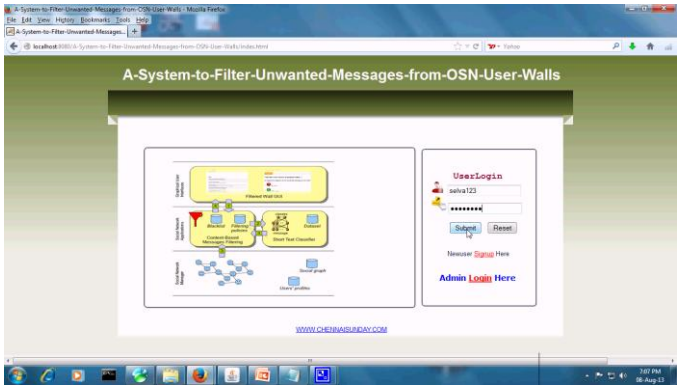
PROCESSOR - PENTIUM –I3
Speed - 2.3 Ghz
RAM - 2GB
Hard Disk - 500 GB
Key Board - Standard Windows
Mouse Optical USB
Monitor - SVGA

S/W System Configuration:-

Operating System :Win 7 ,win 8
Front End : java, jdk1.6
Database Mysql
Database Connectivity : JDBC

OUTPUT SCREEN





CONCLUSION

In our Proposed system provides security for multiple peoples who use social networking for different purpose. As system can automatically filters unwanted messages from OSN by using short text algorithm and compare words by using stemmer algorithm for finding malicious data. Then compare words are eliminated or block by using stop word algorithm. System also helps in deciding whenever user should be inserted into a black list. User can identify a trust factor among all the friends. System focus on network message delivered based on OSN walls automatic removal of unnecessary messages from buffer overflow in filtered walls

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