Filter Undesired Messages from OSN

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Abstract: The younger generation is using mostly the form of social networking sites. The online social network (OSN) helps an individual to connect with their friends, family and the society to collect and share information with others. Nowadays, the OSN is facing the problem of people posting the indecent messages on an individual’s wall which annoys other people on seeing them. The OSN provides little support to prevent unwanted messages. So the proposed system allowing OSN users to have direct control over the message posted on their wall. This is achieved through a filter wall (FW) able to filter unwanted messages from OSN user walls. The proposed system provides security to online social networks.

Keywords: Online Social Networks, Information Filtering, Content-Based Filtering.

I. INTRODUCTION

Today On-line Social Networks (OSNs) are the most popular interactive medium to communicate, share and disseminate a considerable amount of human life information. OSN’s individual can exchange the several types of content, including free text, image, and audio and video data. Today internet is the basic need of individuals. Nowadays people cannot imagine life without the Internet. Information and communication technology plays a vital role in today’s online networked society. Everyone is deeply connected with online social networks. Online Social networks (OSNs) provide a platform to all for sharing human life information. Therefore the primary aim of the current work is to propose and experimentally design an automated system, called Filtered Wall (FW), which can filter unwanted messages from OSN user walls. The support for content-based user preferences is the main idea of our proposed system. In the proposed system Blacklist rule is implemented. An automated system called a filtered wall is designed. The filter wall is used to filter unwanted messages from the OSN user wall. Content-based message filtering is not supported by the existing system.

II. FILTER WALL ARCHITECTURE

The architecture in support of OSN services is a three-tier structure. The first layer, called Social Network Manager (SNM), commonly aims to provide the basic OSN functionalities (i.e., profile and relationship management), whereas the second layer provides the support for external Social Network Applications (SNAs). The supported SNA’s may, in turn, require an additional layer for their needed Graphical User Interfaces (GUIs). According to this reference architecture, the proposed system is placed in the second and third layers. In particular, users interact with the system utilizing a GUI to set up and manage their FRs/BLs. Moreover, the GUI provides users with an FW, that is, a wall where only messages that are authorized according to their BLs are published.

The core components of the proposed system are the Content-Based Messages Filtering (CBMF) and the Short Text Classifier modules. The latter element aims to categorize messages according to a set of categories. In compare, the first element exploits the message categorization offered by the STC module to implement the FRs specified by the user. In contrast, the first component exploits the message categorization provided by the STC module to enforce the FRs specified by the user. BLs can also be used to enhance the filtering process.

Fig Filter wall architecture
III. IMPLEMENTATION

The main aim of the system is to provide a facility to filter the messages which are to be posted by other users on his wall. The system should be able to analyze the text content and allow desired content on the wall. In this system, when a Particular post is ready to be published on his wall, all customized settings are considered and wall post is filtered accordingly on that basis. While filtering the text messages, the thing which is checked first is that whether it is from an authentic user or not. If the user is authentic, then its content is analyzed and properly categorizes. After that system checks whether user preference is matching with derived post category. If it is matched, and the content of the post is neutral then that particular post is published as it is on hold till the user permits it.

In the existing system any user sends the post on any user wall whether it is unwanted or wanted if we don't want unwanted messages then we have to block this person directly, there are no other options to stop this unwanted message. For these existing system problems, we are implementing our system i.e, OSN wall filtering. In our system provide some feature to prevent this existing system problem. In our system having a filter through these filters, other users can not post an unwanted message on our wall.

IV. MODULES

1. User Registration
2. User Login
3. Database
4. Blacklist Database
5. Verification module

1. User Registration

Firstly, the user has to register on our site using appropriate personal information. The information securely gets stored in a database.

2. User Login

After Registration users can directly log-in using user_ID and Password. After that, he or she can chat with friends.

3. Database

Database creating for storing user data, user communication, and user transaction. Each and everything gets stored in the database securely.

4. Blacklist Database

In this module, we are creating a database for blacklist where unwanted words, messages, posts get stored. These blacklist allocated to each user. These blacklist databases used at the time of verification.
5. Verification

In the verification module, we are verifying the post which is sent by another user on your wall for verifying unwanted words.

V. CONCLUSION

In this paper, we proposed a system with the flexible rules to filter the unwanted messages posted on the user wall. The flexibility of the system in terms of filtering options is enhanced through the management of BLs. This is the first step of a wider project. Additionally, we plan to enhance our filtering rule system, with a more sophisticated approach to manage those messages caught just for tolerance.

REFERENCES