

## Secure Social Network Using Text Mining

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**Abstract** - Social media is the name suggest is the large collection of the data for which the traditional data processing techniques are not sufficient. Social media is today gaining popularity very fast in the internet. Many social media sites like Face book are using the huge data storage mechanism. In this project, we will discuss about that data storage and its security of social site .Here we are going to implement some module like, One user account by authenticating user registration. This is for the security purpose one user can only make it one account. To overcome the problem of multiple accounts by one user we are working on this objective. Also we are going to restrict posting of vulgar/improper words. This is one of the most important concern for any social media to make the user's profile clean and protected. So we are maintaining a dictionary of abusive words so that if anybody try to use these words in their post then this post will be discarded by administrator. Finally we are concentrate on Preventing abuse/vulgar images and video posting.

**Key Words:** Authentication; restrict; Data processing techniques; Vulgar

### 1. INTRODUCTION

Social networks have become a part of human life. Starting from sharing information like text, photos, messages, many have started share latest news, and news related pictures in the Media domain, question papers, assignments, and workshops in Education domain, online survey, marketing, and targeting customers in Business domain, and jokes, music, and videos in Entertainment domain. In the larger context of data mining, a considerable measure of productive analyzing so as to learn can be found advanced records of human conduct in interpersonal organizations without breaching the users' privacy. Thus, information ought to be made accessible in a manner that privacy should be safeguarded and protection is extremely scrutinized. The specific instance of interpersonal organizations, the most grounded measure that can be received is to make unflinching quality of individual's privacy who expresses the affiliation. As a matter of fact, we can consider Facebook that it is not just a positive relationship with an online substance additionally as center doled out by the social users. Maintaining privacy of the register users is the central role of the authorities and any deviation of policy given would totally wreck the organizational policy governance which in turn leads to serious havoc to the fundamental rights of society.

In the larger context of data mining, a considerable measure of productive analyzing so as to learn can be found advanced records of human conduct in interpersonal organizations without breaching the users' privacy. Thus, information ought to be made accessible in a manner that privacy should be safeguarded and protection is extremely scrutinized. On the other hand, the suspicion that any outsider which is intrigued to break down information can be viewed as reliable is truth be told unlikely, because of the key point of preference that the usage of all information, including recognizing and delicate ones, may provide for these gatherings. Due to the specific instance of interpersonal organizations, the most grounded measure that can be received is to make unflinching quality of individual's privacy who expresses the affiliation.

Advance development of technology internet plays an important role. When pointing out internet social networking is an essential thing to people, the usage of social networking sites is dramatically high compared to other websites. Reason behind this is people who lives in 21st century has been addicted to social networking sites to keep connection with others. Social networking sites are not only to communicate or interact with each other currently it is used as a way of business promotion. Due to tremendous growth of social networking sites it also under arrested to cyber-attacks. This issue has led even with data sharing process, this raise number of cyber issues on security and privacy through social networking sites.

### 2. Problems in existing system

Registered user can post any message, pictures, video any time anywhere to any person. No restriction for posting (messages, videos, images ) and only some basic restriction on viewing of profile.

### 3. Proposed Methodology

#### 3.1 Authentication:

Here we maintain the authenticate users dataset with its Aadhar no. When particular user get registered at that time we get some details from them. Firstly Admin will verify that particular user is authenticate or not by matching their details with our dataset details .once the particular user is verified Admin allow them for login. If details is not get verified then Admin denied the services of login for particular user.

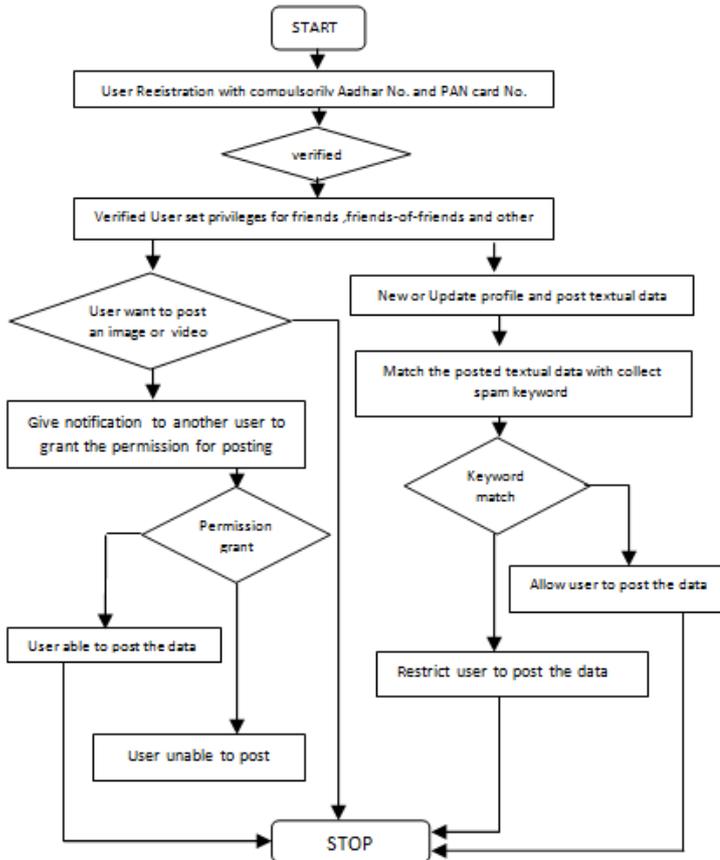


Fig -1: Flowchart of the Proposed System

### 3.2 Friend Suggestion, Keyword Extraction and matching with dataset

In this module all the registered users has been able to send friend request to the another authenticate users whoever available in their friend suggestion list. If the request is accepted then these users are view in their friend list. Also, users can able to post textual content on the wall of their friends. But here ,we are avoiding the posting of abuse words. Because Security is one of the important concern for any social media to make the user’s profile clean. So we are maintaining a dictionary of abusive words if anybody try to use these words in their post then this post will be discarded by administrator

### 3.3 Prevent abuse/vulgar image posting:

Here, in this module we are going to prevent the posting of vulgar images on user wall. To prevent the vulgar/abusive images we are providing a notification to those users who are tagged by user for posting .so that notification is view at notification page of tagged users and then tagged user decides whether he/she wants to post that image on his/her post wall. If he denies to post that image he will never see the post related to this.

## 4. Future Work

Here we work only on the text data to identify that it is abused or not and provide the authority to post it by going throw it we get the problem for vulgar image ,videos related to abuse any communities or religions etc., identification. In future reference we will work on it to make it more secure and user friendly.

## 5. Conclusion

It has been observed that privacy and security concerns are very important in the social networking sites and the users endeavors to make the appropriate changes on their social media privacy is substantially lower than other mode of security operations. Hence, we had given the possible root cause of the unsecure sites and proposed the changes to take over for the security and privacy concerns of social networking site. Here we provides all kinds of security to our social site by using authentication, prevent abuse posting and spam and non spam keyword detection.

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