



JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH (JETIR)

An International Scholarly Open Access, Peer-reviewed, Refereed Journal

TEXT-BASED DEPRESSION DETECTION ON SOCIAL MEDIA POSTS

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Abstract: In the era of social systems administration frenzy is expanding step by step. Web-based entertainment get famous among youths, senior residents and practically every one of the people groups. Be that as it may, with the inordinate utilization of interpersonal organization correspondence, it influences the human existence seriously. As of late, a developing number of mental issues have been seen in informal organizations, for example, the reliance on computerized connections, data over-burden and organization limitation and so on. Right now, the side effects of these psychological problems are noticed, which causes a few perilous issues.

Human feelings like discouragement are inward opinions of people which uncover genuine ways of behaving of an individual. Breaking down and deciding these kinds of feelings from individuals' social exercises in virtual world can be exceptionally useful to grasp their ways of behaving. Distinguishing words that express cynicism in an online entertainment message is one stage towards distinguishing burdensome states of mind. Despondency doesn't simply happen for a person in vacuum; it can influence your companions, family, colleagues, and everybody around you. Also, misery might influence how you perform at work or your degrees of fixation, so it can adversely influence efficiency. To get it on the off chance that a Facebook type framework client could show despondency throughout some stretch of time, then framework will ready to recognize the discouraged client in view of his exercises like posts and visits, which incorporates emotional type keywords.

IndexTerms - cynicism, psychological problems, issues, despondency, social system, discourage, feelings, type, client, depression, depression detection

I. INTRODUCTION

Human feelings like misery are internal opinions of people which uncover genuine ways of behaving of an individual. Investigating and deciding these sorts of feelings from individuals' social exercises in virtual world can be exceptionally useful to comprehend their ways of behaving. In excess of 20% of the populace will insight in any event one episode of what we allude to as clinical gloom. We really want to look further into this peculiarity to grasp it and beat it. Existing methodologies might be valuable for dissecting normal opinions, like positive, negative or unbiased articulations. In any case, human feelings, for example, misery, are exceptionally basic and once in a while exceedingly difficult to examine utilizing these approaches.

Up to this point we have numerous virtual entertainment site through which clients communicate among their companions and offer their considerations sentiments, yet till now there is no framework executed which will help the administrator to distinguish assuming that somebody is discouraged. So, there is a need to propose the framework, where discouraged individual can distinguish via virtual entertainment in light of his exercises like posts and talking over chat applications.

II. MOTIVATION

Melancholy is one of the main psychological wellness issues. It is a reason for mental incapacity and monetary weight to a country. Around 1.5 Thai individuals endure from melancholy and its pervasiveness has been growing up quick. Despite the fact that it is a significant mental issue, under a portion of the individuals who have this close to home issue accessed psychological well-being administration. This could be a consequence of many variables including having need mindfulness about the illness. One of the arrangements would be giving a device that downturn could be effectively and early distinguished. This would help individuals to know about their profound states and look for help from proficient administrations. Given Facebook is the most famous interpersonal organization stage in Thailand, it very well may be a largescale asset to foster a downturn location instrument. This exploration utilizes Normal Language Processing (NLP) strategies to foster a downturn recognition calculation for the Thai language on Facebook where individuals use it as a device for imparting insights, sentiments, and life occasions

III. ARCHITECTURAL DESIGN

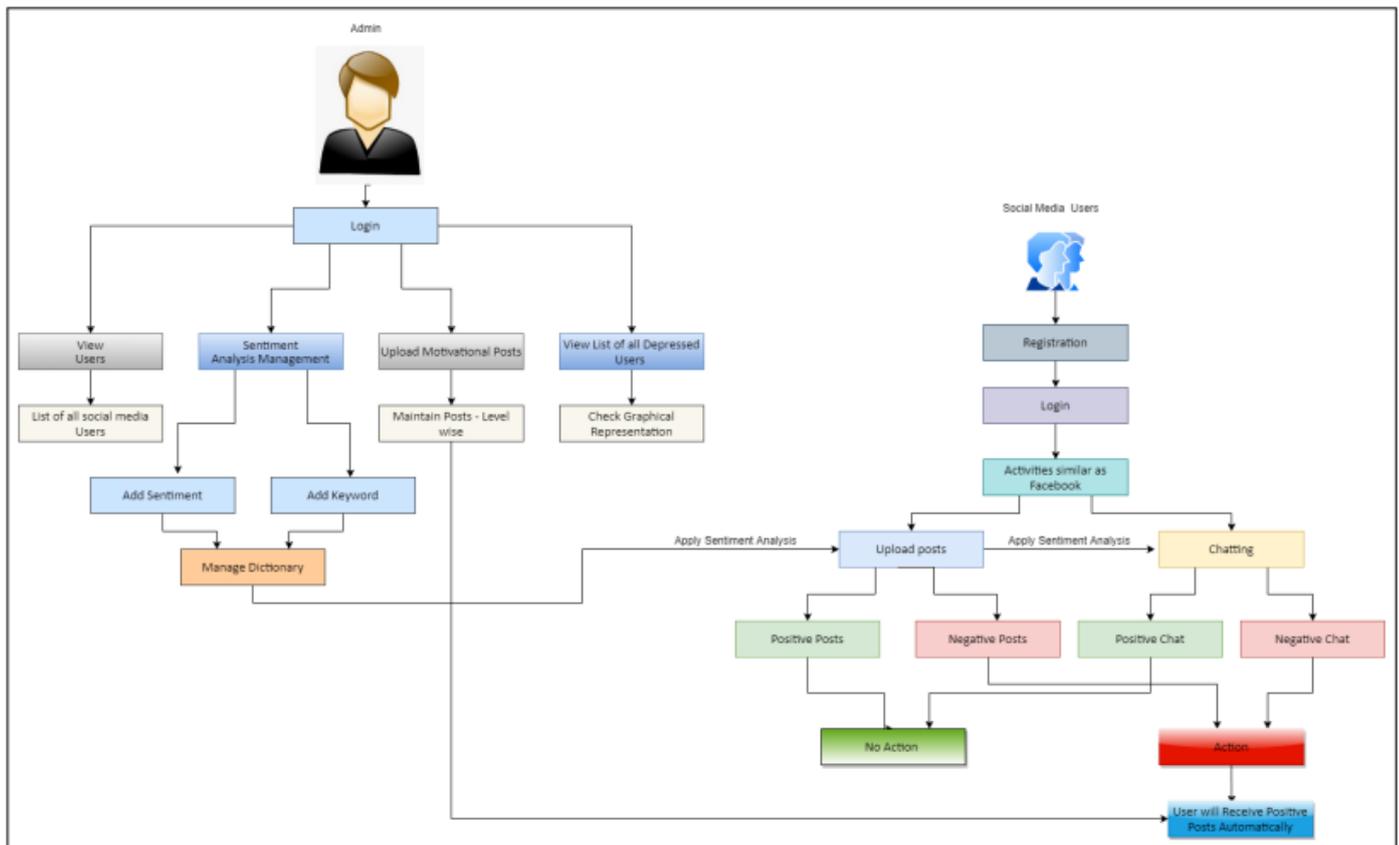


figure 1.1: architecture diagram

Architecture Description: System has 2 main modules.

Admin

- View Users: Admin can view all the users registered in system
- Sentiment Analysis Management: Admin add the sentiments and keyword to dataset in the form of key value pair
- Manage Dictionary: System itself monitors all the posts, chats etc. of the social media user and apply sentiment analysis
- Upload Motivational Post: Admin uploads best motivational post, so that system can send those post on users' wall based on sentiment analysis.
- Maintain Post Level Wise: Post are classified based on the level of depressed the end user is.
- View List of all depressed Users: Admin can view all the depressed users in graphical design

Social Media User

- Registration: This module takes care of registration part of new user
- Login: Once the user gets registered, he/she login with the credentials.
- Activities like Facebook: Once the user logins the system, he/she will come across the features and functionalities like upload posts, chatting.
- System will continuously keep on monitoring: System will continuously keep on monitoring the posts and chats of users. And if it detects the negative thought kind of behavior then system will automatically post the positive post on his/her wall based on the level of depression.

IV. TOOLS AND TECHNOLOGY

Operating System: Windows 7/8/10

Coding language: Java/J2EE

IDE: Eclipse Kepler, Android SDK

Database: SQL Yog Community/XAMPP Server

Web Server: Apache Tomcat

V. CONCLUSION

Our carried out the framework that will assist thought client with saving his/her life, by knowing ahead of time whether the client is discouraged and even framework will send an inspirational post to the client in light of the degree of discouraged he is. We close that framework will be exceptionally valuable in this day and age where the vast majority of us lack the opportunity to meet our own companions share their contemplations and sentiments like we utilized have in more established days due occupied plans. So our framework assume an exceptionally fundamental part here to keep away from any undesirable human misfortune.

VI. REFERENCES

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