MES COLLEGE OF ENGINEERING, KUTTIPPURAM
DEPARTMENT OF COMPUTER APPLICATIONS
20MCA246 – MAIN PROJECT

PRO FORMA FOR THE APPROVAL OF THE FOURTH SEMESTER MAIN PROJECT

(Note: All entries of the pro forma for approval should be filled up with appropriate and complete information. Incomplete Pro forma of approval in any respect will be rejected.)

Main Project Proposal No : _____01_____ *(Filled by the Department)*	Academic Year : 2021- 22 Year of Admission : 2020

1. Title of the Project: **People's Behavior Analysis in Chat Message using Natural Language Processing**
2. Name of the Guide :Prof. Hyderali K
3. Student Details (in BLOCK LETTERS)

Name	Register Number	Signature
NASRIN BP	MES20MCA-2037	

Date: 16-04-2022

Approval Status : Approved / Not Approved

Signature of Committee Members

Comments of the Guide Dated Signature

Initial Submission :

First Review :

Second Review :

Comments of the Project Coordinator Dated Signature

Initial Submission:

First Review

Second Review

Final Comments :

Dated Signature of HOD

People's Behaliour Analysis in Chat Message using Natural Language Processing

NASRIN BP

Introduction and Objectives:

Nowadays, the mode of communication is mainly through messages. A lot of information has been conveyed through WhatsApp. WhatsApp is the most popular chat application with active users of more than 650 million. It has been widely used by all, especially among the business people and youngsters. Using several analyzing tools, users can analyse the WhatsApp group chat or personal chat. Authentically users wish to analyse their chat for several purposes. This research work is intended to perform a flirt analysis and time analysis. This project has many use cases like the parent, who wants to analyse their child chat; the police, who want to get valuable information from culprit chat; the business people, who wants to know the status of the business in the group chat. Using the Deep Learning model (NLP), sentimental analysis has been performed for each text. This helps to find the state of mind of the chatters. Further, this research work calculates the number of positive and negative statements that are used by each person in the text by using the text mining concept. As now due to this pandemic situation, every conversation and also the important discussion has been done through the WhatsApp and it was highly needed for the person who wants to check their child's conversation and also for the higher authority for enquiry and for the business chair person who are needed to analyse their business well being group can also be used for their personal usage of analyse using the algorithm in this method.

Problem Definition:

EXISTING SYSTEM

In the early system, it only helps for communication . users can not analyse the group chat or personal chat. Authentically users wish to analyse their chat for several purposes. But in the existing system, there is no way to analyse it. If a parent, who wants to analyse their child chat; the police, who want to get valuable information from culprit chat; the business people, who wants to know the status of the business in the group chat these are not provided by the existing system. In the existing system we can not analyse peoples behaviour in chats.

Limitations of existing system

• Can not analyse the peoples behaviour in chats

• parents can not track their child using chats

• Police not get valuable information from culprit chat

• business people, not know the status of the business in the group chat.

• users can not analyse the group chat or personal chat.

PROPOSED SYSTEM

PROPOSED SYSTEM In the proposed system, Using several analysing tools, users can analyse the group chat or personal chat. This project has many use cases like the parent, who wants to analyse their child chat; the police, who want to get valuable information from culprit chat; the business people, who wants to know the status of the business in the group chat. Using the Deep Learning model (NLP), sentimental analysis has been performed for each text. This helps to find the state of mind of the chatters. Further, this research work calculates the number of positive and negative statements that are used by each person in the text by using the text mining concept. As now due to this pandemic situation, every conversation and also the important discussion has been done through the chats and it was highly needed for the person who wants to check their child's conversation and also for the higher authority for enquiry and for the business chair person who are needed to analyse their business well being group

can also be used for their personal usage of analyse using the algorithm in this method. By the sentimental analyse model we can analyse and we can conclude whether the chat we are going safe or going correctly and also the parents can track their child move and also the business personality can also check how they got their review in the group works. sentimental analysing methodology, which was introduced for achieving the better result regarding the business and also regarding the privacy it will be very much useful for the detection. The Proposed System focuses on the extraction of the chat and was considered for the sentimental analysis using the deep learning model i.e. the natural language processing.

Advantages

• Using several analysing tools, users can analyse the group chat or personal chat.
• The parent, can analyse their child chat
• The police, who get valuable information from culprit chat
• The business people, who know the status of the business in the group chat.
• Helps to find the state of mind of the chatters.
• We can analyse peoples behaviour in chat.
• Helps to calculates the number of positive and negative statements that are used by each person in their chat.
• we can analyse and we can conclude whether the chat we are going safe or going correctly.

Basic functionalities:

Functional module:

A functional requirement describes what a software system should do. This application has the following functional requirements.

MODULE DESCRIPTION

- Admin
- User

ADMIN

1.Login-admin wants to login first

2.View users-admin can view the users, who registered in our app

3.View posts-admin can view different posts of users

4.View feedback- admin can view the feedback that uploaded by the users

5.View analysis report-admin can view the peoples behaviour analysis report

USERS

1.registration-signup

2.login-the users who signed up can login

3.view profile/update-after login users can update their profile if any changes comes

4.view friends-users can view their friends

5.send friend request-users can send friend request to another users who registered in the app

6.accept/view friend request-users can view friend request they can either accept or reject the request

7.chat with friends-if friends accept our request then we can chat with them.

8.post/comment-users can upload their posts, his friends can comment to their posts.

9.send feedback-users can send feedback and admin can view the users feedback.

10.view analysis report-behaviour analysis report can viewed by admin and users.

NON-FUNCTIONAL REQUIREMENTS

Non-functional requirements place constraints on how the system will do. This application has the following non functional requirements.

1. Privacy:
   This system must support the admin/user which is registering. They must login for their functions.
2. Security:
   The system must support for security. This application support must offer security for user's login and data
3. Portability:
   The Admin console is portable on any system.
4. Maintainability:
   The system must support for maintainability. Every application will be maintained in future. So each system must support for maintainability
5. Response time:
   The application must support for high response time.