

Project Title: Depression Detection Analysis

TEAM NO.: 261

NAMES OF THE STUDENTS PARTICIPATED IN THE
TEAM: AKSHAT RAJ SINGH, ABHAY KUMAR

COLLEGE: NATIONAL INSTITUTE OF TECHNOLOGY,
SURATHKAL, KARNATAKA

SEMESTER: 5

DEPARTMENT: CHEMICAL AND CIVIL

CITY: MANGALORE

STATE KARNATAKA

PROJECT MENTOR NAME: DIANA ANISHIN



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Project Details:

Our project aims to create a computer application and train a model which, when fed with social media posts, can predict whether this is a depressing post or not.

Problem Statement:

Depression is a leading cause of mental illness, and it has been linked to an increased risk of premature death. Furthermore, it is a major contributor to suicidal thoughts and causes significant impairment in daily life. Every year, one in every 15 adults suffers from depression, affecting 300 million people worldwide.

This Depression Detection System detects the depressional behaviour among youth on the basis of their social media posts(texts).

Need of Project:

This project aims at reducing depression throughout the world because people in today's world, irrespective of their age, are falling into the trap of depression. Thus this project is the need of the hour and can prove to be very significant in the modern world.

Proposed Solution:

In this depression detector project , we create a depression detector , which can find the depression behaviour by utilising their thinking process .

Our solution is a step towards making the world a place free from depression .This project also helps individuals analyse their behaviour.

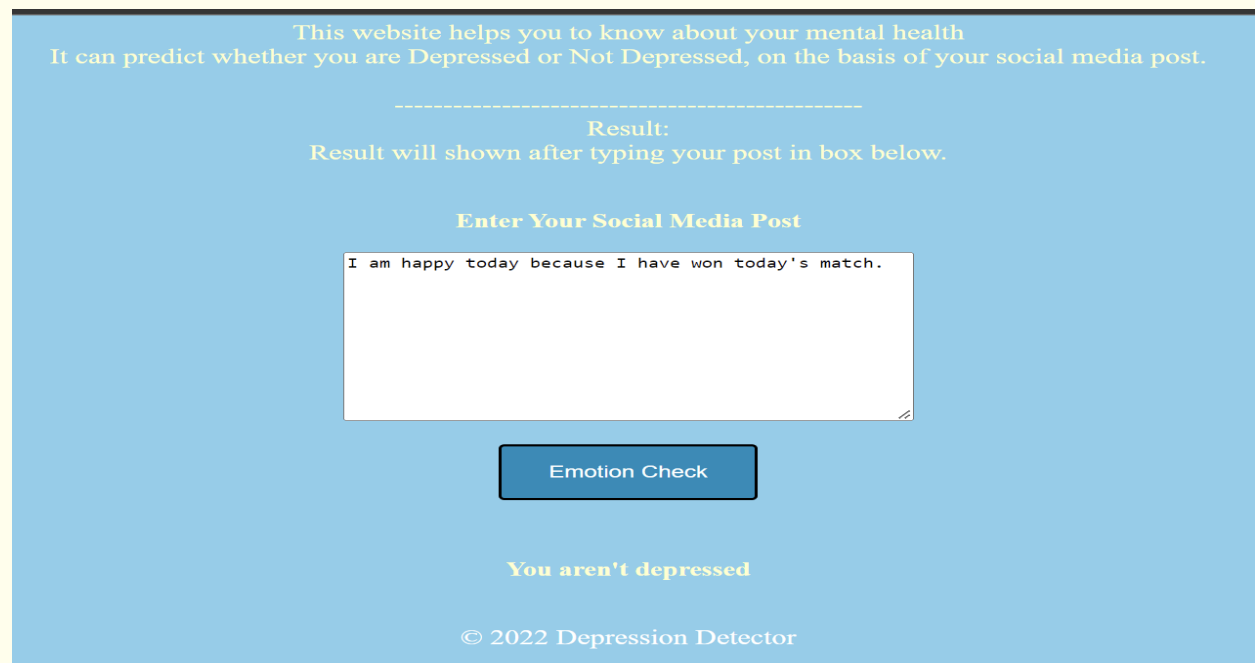
Technology Used:

NLTK is a toolkit built for working with NLP in Python. It provides us with various text processing libraries with a lot of test datasets. A variety of tasks can be performed using NLTK, such as tokenizing, parse tree visualisation, etc. In this project, we have used stemming, lemmatization, stopwords remover and other library functions.

Project Outcomes:

Our end users are social media users on platforms like facebook twitter and many more. This project can help them to find depressant or suicidal post so that they can take some more steps.

Modelling:



This website helps you to know about your mental health
It can predict whether you are Depressed or Not Depressed, on the basis of your social media post.

Result:
Result will shown after typing your post in box below.

Enter Your Social Media Post

I am happy today because I have won today's match.

Emotion Check

You aren't depressed

© 2022 Depression Detector

Results:

This system recognises the depressive behaviour and then users can speak with a psychiatrist to consult about their behaviour.

Future scope for project enhancement:

- In future work, proposed systems can be developed and implemented using facial analysis. And can develop it further more powerful.
- This project did not focus on Facial Expressions although it is well known that facial expressions convey a major part of depressive analysis.
- We will try to make it more powerful and add features to our website such as consulting a physician and treatment procedures.