A COMPLETE SYSTEM TO DETECT AND STOP CYBERBULLYING ALONG WITH PERSONALIZED AUTOMATIC MENTAL HEALTH COUNSELING FOR THE VICTIMS

CSE299

MEET OUR TEAM

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INTRODUCTION

A complete system that can stop cyberbullying. This system will be working with institutions and organizations to detect cyberbullying cases in different forms, keep records of the victims and bullies and take actions centrally if needed. Also the system can provide personalized counselling to victims.
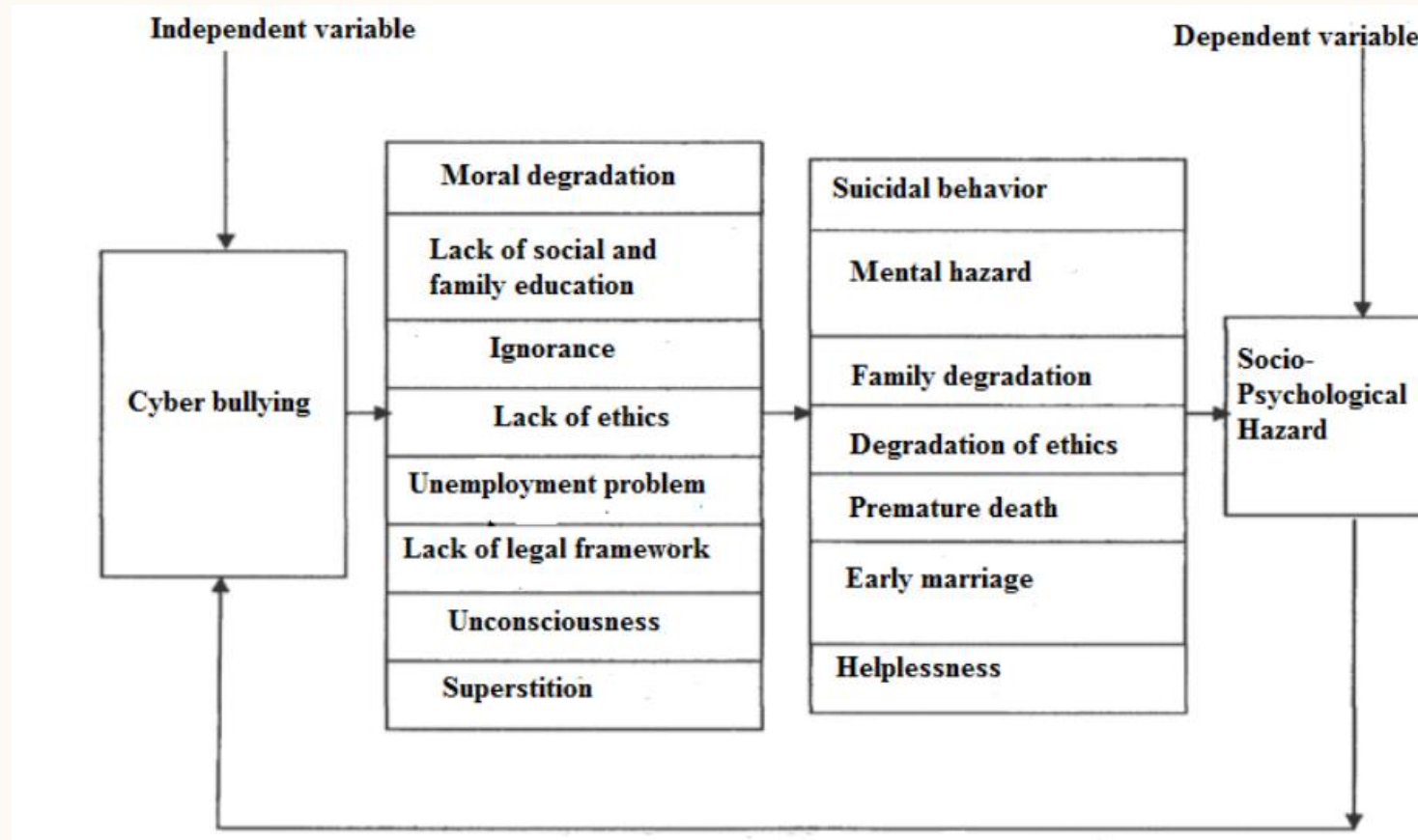
CYBER-BULLYING

Cyberbullying includes **sending, posting, or sharing negative, harmful, false, or mean content about someone else**. It can include sharing personal or private information about someone else causing embarrassment or humiliation. Some cyberbullying crosses the line into unlawful or criminal behavior.

According to a journal titled,
"**Investigating Cyber Bullying: Pervasiveness, Causes and Socio-psychological Impact on Adolescent Girls**"

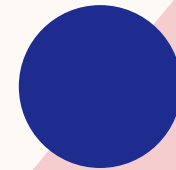# EFFECT OF CYBER-BULLYING

AGENDA

Detection

Counseling

Monitoring

Multi-language

Complete system

OUR PLAN?

BULLYING DETECTION

- Image
- Text
- Voice

LANGUAGE

- Bangla
- English

COUNSELING

- Victim will get counseling centrally.

MONITORING

- Monitoring period of bully.

COMPLETE SYSTEM

- Complete Organizational system.

PREVIOUS WORKS

APPLICATION-SYSTEMS

No application is available right now to stop and keep a record of cyberbullying through institutions and control them centrally. There are applications for separate use-cases.

BACKGROUND RESEARCH

JOURNALS

Some journals are available to detect cyberbullying through texts, but mainly for the English Language. But there haven't been any works where we can detect cyberbullying through several media like texts, images, and voice in Bangla Language.

BACKGROUND RESEARCH

SUPPORTING DATASETS

A paper has been published to detect cyberbullying through Bangla Texts. An accuracy of 96% has been recorded with KNN(1st nearest), which was mentioned in the published paper titled,

"https://ieeexplore.ieee.org/document/8636797/authors#authors"

SOCIAL MEDIA BULLYING DETECTION USING MACHINE LEARNING ON BANGLA TEXT

10TH INTERNATIONAL CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING 20-22 DECEMBER, 2018, DHAKA, BANGLADESH
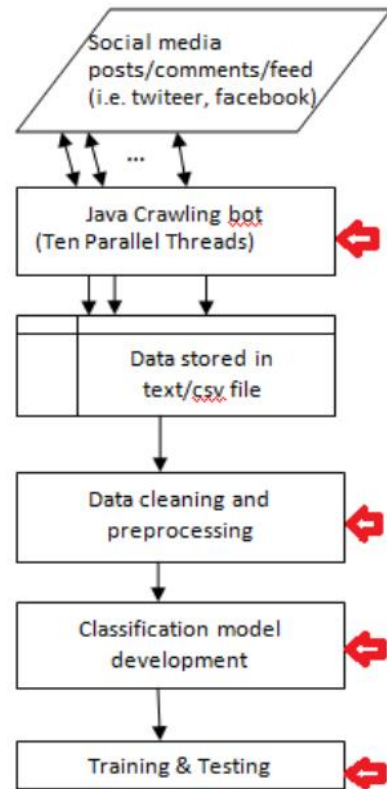
USED MODEL

RECORDED ACCURACY

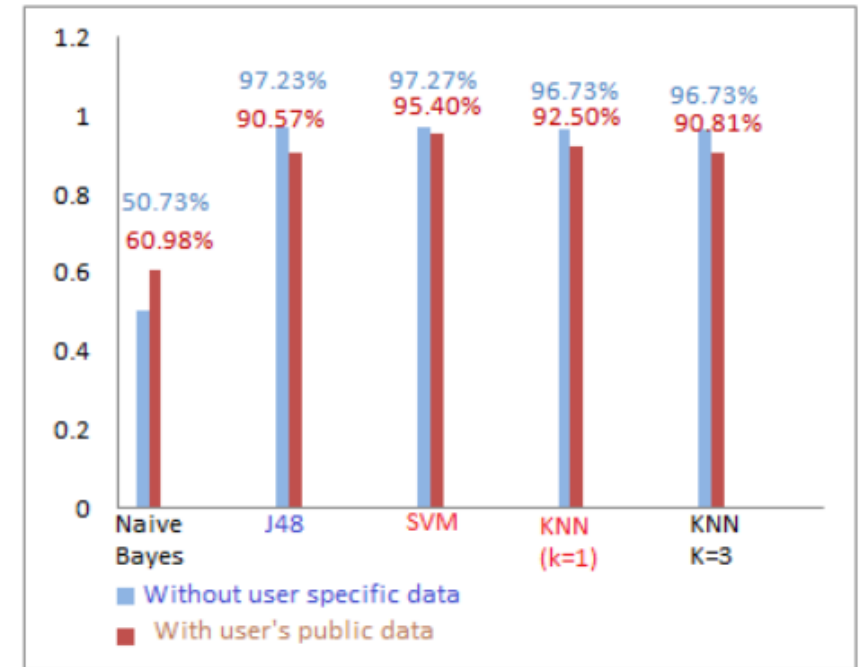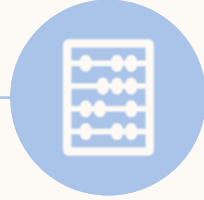Fig. 1: A graphical representation of the proposed social media bullying detection algorithm.

Fig. 2: Accuracy of the proposed cyber bullying detection algorithm achieved after applying different machine learning techniques on Bangla text contents.

CONTINUED

CLASSIFICATION

- Public posts/comments
- Favourite count
- Post time
- Re-Tweet count
- User status count
- User public description
- Follower count
- Friends count
- Location
- Screen name

LIMITATION

- Only recognizes text-based bullying
- Only based on 1000 data
- Not trained on large datasets yet.

EFFECTIVENESS OF A COUNSELLING PROGRAM TO IMPROVE SELF-CONCEPT AND ACHIEVEMENT IN BULLY-VICTIMS

REVIEW OF EUROPEAN STUDIES · MAY 2015

ABSTRACT

This study aimed to investigate the effectiveness of a counseling program on the self-concept and achievement behavior of bully victims. To realize the aim of the study, self-concept and bullying behavior scales and a group counseling program based on CPT were applied.

DISCUSSION

The purpose of this study was an improvement in the self-concept, social skills, and coping ability of bully victims among the experimental group pupils, who fitted the pupil bully target mold as identified in the literature. The t-test results showed significant differences between the experimental and control groups in changing the behavior of bully-victims. The experimental group identified and accepted responsibility for their emotions, exploring different and acceptable ways of expressing their feelings, especially anger.

THANK YOU

Any questions?