**MUSALIAR COLLEGE OF ENGINEERING & TECHNOLOGY**

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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**CYBERWALL: A CYBERBULLYING DETECTION AND REPORTING TOOL**

**ABSTRACT**

Cyberwall is a comprehensive solution designed to combat cyberbullying by leveraging Natural Language Processing (NLP) to analyze and detect harmful content in text messages, social media posts, and chat applications. The tool provides real-time warnings, educates users on the impact of cyberbullying, and offers options to report or block offenders. Additionally, it supports victims by recommending mental health resources and maintaining secure incident logs. With a focus on privacy and scalability, CyberShield aims to create safer online spaces, reduce harmful interactions, and empower users to take proactive steps against cyberbullying.

***Keywords: - Cyberbullying Detection, Natural Language Processing (NLP), Real-Time Content Analysis, Abusive Language Identification, Mental Health Support, Privacy and Security, Reporting Systems, Social Media Safety, Sentiment Analysis, Online Safety Tools.***

**REFERENCES**

1. Hinduja, S., Patchin, J. W. "Bullying Beyond the Schoolyard: Preventing and Responding to Cyberbullying," Corwin Press, 2014.
2. Zhao, Y., et al. "End-to-End Encryption Techniques for Secure Data Storage," IEEE Transactions on Cloud Computing, 2022.
3. Davidson, T., et al. "Automated Hate Speech Detection and the Problem of Offensive Language," Proceedings of the 11th International Conference on Web and Social Media (ICWSM), 2017.

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