

# Cyber Bullying Prediction

**Mrs. Bilwashree. H<sup>1</sup>, K Vaishnavi<sup>2</sup>, Sanjana S M<sup>3</sup>, Shravani K S<sup>4</sup>, Shreya A Sirsate<sup>5</sup>**

Associate Professor, Department of Computer Science and Engineering<sup>1</sup>

Students, Department of Computer Science and Engineering<sup>2,3,4</sup>

Rao Bahadur Y Mahabaleswarappa Engineering College, Bellary, Karnataka, India

Corresponding author: bilwasshree.m@rymec.in

**Abstract:** Cyberbullying is a growing problem on social media and other online platforms. It can cause serious emotional harm, especially to young people. This project aims to create a system that can predict and detect cyberbullying using machine learning. We use computer programs to analyse the words people post online and look for signs of bullying or harmful behaviour. The system is trained using examples of real online messages that have been labelled as bullying or not. We tested different methods, including some advanced ones like deep learning, to see which works best. Our results show that these tools can help find cyberbullying effectively. This work could help make the internet a safer place by warning users or removing harmful content before it spreads..

**Keywords:** Online harassment, Machine learning, Natural language processing (NLP), Deep learning

