North South University

Department of Electrical & Computer Engineering

Project Report

Course Code: CSE327

Section: 05

Group: 07

Submitted To: Dr. Razib Hayat Khan

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Project Title: A Complete System to Detect and Stop Cyber Bullying Along with AI Supported Mental Health Counseling ChatBot

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Project Report

Project Title:
A Complete System to Detect, Stop Cyberbullying Along with AI-Supported Mental Health Counselling Chatbot.

Overview:
The goal of this project is to create a comprehensive system that integrates cutting-edge technology to identify and stop cyberbullying while also include a system for mental health therapy based on artificial intelligence. With this project, we hope to make the online world a safer place for everyone, especially those who are most at risk from the negative impacts of cyberbullying.

Our project's primary goal is to create a system that can identify cyberbullying. We seek to develop an algorithm that can recognize and detect instances of cyberbullying across various platforms and communication channels by utilizing deep learning and machine learning models. In order to identify hate speech, this system will employ an advanced text analysis technique

We will include a mental health counseling system powered by AI in our project in addition to the detecting system. We think it's critical to provide accessible and individualized mental health care since we are aware of the emotional toll that cyberbullying can have on people.

The frontend application will be developed using the Flutter framework, ensuring a seamless and user-friendly experience across multiple platforms, including Android and Windows.

Our implementation efforts will be concentrated within institutions in order to maximize the impact of our approach. By using a targeted strategy, we can create better control and monitoring systems that guarantee the anti-cyberbullying laws are being followed. With close cooperation from these organizations, we will adapt the system to meet their unique requirements and easily incorporate it into their current work processes.

Individual Works:

Name	Tasks	Percentage
Farhan Ishrak Tahmid	1. Market Analysis 2. User Story Template 3. Git 4. Class Diagram 5. Project Timelines 6. Project Report	33.33%
Farhana Akbar	1. Need, Problem & Opportunity 2. Flow of Events 3. Jira 4. Activity Diagram 5. Cocomo Effort Estimation 6. CRC Diagram	33.33%
Md Nafiur Rahman	1. Functionality 2. Interaction Design 3. Visual Design 4. Information Architecture 5. Use Case Diagram 6. Estimated Expenses	33.33%