

CYBER BULLYING

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF THE
DEGREE OF

BACHELOR OF TECHNOLOGY
(COMPUTER SCIENCE AND ENGINEERING)



Submitted By:

Gurjot Bhatia(1606676)

Mohnish Tiwari(1606738)

Gurdeep Singh(1606675)

Submitted To:

Prof. Kapil Sharma

Prof. Priyanka Arora

Training Co - ordinator's CSE
Department

Department of Computer Science and Engineering
Guru Nanak Dev Engineering College
Ludhiana, 141006

ABSTRACT

An Internet connection has become almost ubiquitous in homes with school-age children in developed societies. The Internet is both a great social and learning tool and full of potential dangers. Without proper parental support and guidance, the chances of children being exposed to these dangers increase. Yet this can cause tension and distress between parents and children. The problem is aggravated because children tend to be more knowledgeable and skilled in the realm of computers than their parents. The major purposes of the study were to show how various factors interact to affect parents' sense of satisfaction about their attempts to help their children benefit from the Internet as well as reduce the risks to which their children are exposed. The major targets were families with children between the ages of 6 and 17. A household survey with a representative sample of 2,579 families was conducted in late 2009. Findings suggest that better-educated parents, the adoption of an authoritative parenting style, more active involvement in children's online activities, and more discussions of the online experiences are factors which are associated with more satisfactory results in influencing children's behavior.

ACKNOWLEDGEMENT

The success and final outcome of this project required a lot of guidance and assistance from many people and we are extremely fortunate to have got this all along the completion of our project work. Whatever we have done is only due to such guidance and assistance and we cannot forget to thank them.

We, the students of **GURU NANAK DEV ENGINEERING COLLEGE** (Computer Science and Engineering), are extremely grateful to **Dr. Sehijpal Singh** and **Dr. Parminder Singh** for the confidence they bestowed in us and entrusting our project entitled “**CYBER BULLYING**”. At this juncture, I feel deeply honored in expressing our sincere thanks to them for making the resources available at right time and providing valuable insights leading to the successful completion of our project.

I would also like to thank our project guide **Prof. Kapil Sharma, Prof. Priyanka Arora** for his critical advice and guidance. We are thankful to and fortunate enough to get constant encouragement, support and guidance from the entire Teaching staff of Department of Computer Science & Engineering which helped in successful completion of the project work.

Gurjot Bhatia

Mohnish Tiwari

Gurdeep Singh

List of Figures

Fig No.	Figure Description	Page No.
2.1	Software Development Life Cycle	5
2.2	Iterative Waterfall Model	6
3.1	Use Case Model	10
3.2	Flow Chart	10
4.1	Dataframe	15
5.1	Child Search	19
5.2	Criminal Search	19
5.3	Dataframe	20
5.4	Parent's Mail	20
5.5	Police Mail	21
5.6	Backdoor	22
5.7	Parent's Bad-words Dictionary	23
5.8	Police's Bad-words Dictionary	24
5.9	Police's IP address	24

Table of Content

Content	Page No.
<i>Company Certificate</i>	<i>i</i>
<i>Abstract</i>	<i>ii</i>
<i>Acknowledgement</i>	<i>iii</i>
<i>List of Figures</i>	<i>iv</i>
<i>Table of Contents</i>	<i>v</i>
Chapter 1: Introduction to company	1
Chapter 2: Introduction to problem	2
2.1 Overview	2
2.2 Existing System	3
2.3 User Requirement Analysis	3
2.3.1 User Specifications	3
2.3.2 Non – Functional Requirements	3
2.3.3 Functional Requirements	3
2.3.4 System Requirements	4
2.3.5 SDLC	4
2.4 Feasibility Study	6
2.5 Objectives of Project	6
Chapter 3: Product Design	8
3.1 Product perspective	8
3.2 Product functions	8
3.3 User characteristics	9
3.4 Constraints	9
3.5 Use Case Model/Flow Chart	9
3.5.1 Use Case Model	9
3.5.2 Flow Chart	10
3.6 Assumptions and Dependencies	11
3.7 Specific Requirements	11
3.7.1 Hardware Requirements	11
3.7.2 Software Requirements	11
Chapter 4: Development and Implementation	12
4.1 Introduction to Languages	12
4.1.1 Python	12
4.1.2 Beautiful Soup	12
4.1.3 Tesser OCR	12
4.1.4 PIL	13
4.2 Any other Supporting Languages or tools	13

4.2.1 Jupyter Notebook Platform	13
4.2.2 Backdoor	14
4.3 Implementation of problem	14
4.4 Test cases	15
4.4.1 Testing	15
4.4.1.1 Unit Testing	15
4.4.1.2 Integration Testing	16
4.4.2 Test Plan	16
Chapter 5: Conclusion and Future Scope	17
5.1 Conclusion	17
5.2 Future Scope	17
References	18
Appendix	24