**Project Report On**

**<<ChatBot and Secure Minor>>**



Prepared By

**<<Elina Singh>><< RA2011042010041>>**

**<<Reny Patel>><< RA2011042010045>>**

**<<Aditi Balaji>><< RA2011042010053>>**

**Software Engineering Course**

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**School of Computing**

**Department of Data Science and Business Systems**

**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**

## KATTANKULATHUR- 603 203.



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**School of Computing**

**Department of Data Science and Business Systems**

**Certificate**

This is to certify that Elina Singh (RA2011042010041), student of Bachelor of Technology, III Semester, Department of Computer Science of SRM Institute of Science and Technology, has pursued the Project titled Chatbot and Secure Minor under the supervision and Internal guidance of Dr. K.Arthi and the report has been submitted in the Year 2022.

Inter Examiner

Signature

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## KATTANKULATHUR- 603 203.

**School of Computing**

**Department of Data Science and Business Systems**

**Certificate**

This is to certify that Reny Patel (RA2011042010045), student of Bachelor of Technology, III Semester, Department of Computer Science of SRM Institute of Science and Technology, has pursued the Project titled Chatbot and Secure Minor under the supervision and Internal guidance of Dr. K.Arthi and the report has been submitted in the Year 2022.

Inter Examiner

Signature

**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**

## KATTANKULATHUR- 603 203.

**School of Computing**

**Department of Data Science and Business Systems**

**Certificate**

This is to certify that Aditi Balaji (RA2011042010053), student of Bachelor of Technology, III Semester, Department of Computer Science of SRM Institute of Science and Technology, has pursued the Project titled Chatbot and Secure Minor under the supervision and Internal guidance of Dr. K.Arthi and the report has been submitted in the Year 2022.

Inter Examiner

Signature

**ACKNOWLEDGEMENT**

We express my sincere regard and indebtedness to my project guide Dr. K.Arthi, Associate Professor, Department of Computer Science of SRM Institute of Science and Technology for her valuable time, guidance, encouragement, support and cooperation throughout the duration of our project. This project helped in understanding the various parameters which are involved in the development of a software project and the integration of front end along with the back end to create a fully functional web application.

Elina Singh

RA2011042010041

Reny Patel

RA2011042010045

Aditi Balaji

RA2011042010053

**ABSTRACT**

This project aims at creating a safe environment for children to interact with an AI bot and also a warning bot that can help them to protect themselves from sexual predators all over the internet world. This application will help recognize possible threats in the online chat world where we will create a Chatbot to warn us about sexual predators. Our main aim is to develop a secure environment for the children to interact without fear.

This Project is divided into two modules one is a chatterbot with whom we can ask questions and then that bot will provide answers. This chatbot answers only trivia based questions. ChatterBot is a Python library that makes it easy to generate automated responses to a user’s input. ChatterBot uses a selection of machine learning algorithms to produce different types of responses. This makes it easy for developers to create chat bots and automate conversations with users.

Module 2 is warning bot which can reply dangerous or safe based on the type of question asked. This application can help children realize that whomever they are talking to is safe or not. Using the predictive model many illegal messaging can be stopped and serious actions can be taken.

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