

TABLE OF CONTENTS

STATEMENT PAGE	I
PREFACE	II
ABSTRAK	IV
<i>ABSTRACT</i>	V
TABLE OF CONTENTS	VI
LIST OF TABLES	VIII
LIST OF FIGURES	IX
CHAPTER I INTRODUCTION	1
CHAPTER II LITERATURE REVIEW.....	5
2.1 <i>Text Mining and Transformer-based Models</i>	5
2.2 <i>BERT and RoBERTa</i>	5
2.3 <i>Word Embeddings</i>	7
2.4 <i>Fine-tuning BERT for Specific NLP Tasks</i>	8
2.5 <i>Toxicity Detection in Social Media</i>	8
2.6 <i>Evaluation Methods for Fine-tuned Models</i>	9
CHAPTER III METHODS	11
3.1 Data Collection.....	12
3.2 Data Preprocessing.....	12
3.3 Data Annotation	13
3.4 Data Splitting	14

3.5	Tokenization.....	14
3.6	Fine-tune Pre-trained Models.....	15
3.7	Performance Evaluation	15
	CHAPTER IV RESULT AND DISCUSSION	17
	CHAPTER V CONCLUSION.....	21
	REFERENCES.....	22