

# **Contents**

<b>Chapter 1- Introduction and Problem Definition .....</b>	<b>page -01</b>
<b>Chapter 2- Background .....</b>	<b>page - 05</b>
<b>2.1    Internet Worms .....</b>	<b>page - 05</b>
<b>2.2    Vulnerabilities .....</b>	<b>page - 08</b>
<b>2.3    Various signature generation Schemes .....</b>	<b>page - 13</b>
<b>Chapter 3- Proposed System .....</b>	<b>page - 18</b>
<b>Chapter 4- Overview of Binary analysis .....</b>	<b>page - 23</b>
<b>4.1    Introduction to binary and binary analysis tools .....</b>	<b>page - 23</b>
<b>4.2    Binary code analysis vs. Reverse engineering .....</b>	<b>page - 26</b>
<b>4.3    Classes of Binary analysis techniques .....</b>	<b>page - 26</b>
<b>4.4    Challenges in Binary code analysis .....</b>	<b>page - 28</b>
<b>Chapter 5- Module implementation .....</b>	<b>page - 34</b>
<b>Chapter 6- Conclusion and Future work .....</b>	<b>page - 46</b>
<b>References .....</b>	<b>page- 48</b>
<b>Appendix – A .....</b>	<b>page - 51</b>