CONTENTS

SNO. CHAPTER NAME	PAGE NO.
ABSTRACT	i
ACKNOWLEDGEMENT	ii
TABLE OF CONTENTS	iii
LIST OF FIGURES	iv
1 INTRODUCTION	1-6
1.1 DDoS Attack techniques	3
2 LITERATURE SURVEY	7-10
3 PROBLEM STATEMENT	11-15
3.1 Existing Methods	11
3.2 Limitations of the existing methods	13
3.3 Proposed System	14
3.4 Advantages of the proposed system	15
3.5 Objectives of the Project	15
4 SYSTEM DESIGN	16-18
4.1 Simple network design for DDoS attack	16
4.2 Architecture of the design	18
5 REQUIREMENTS	19
5.1 Hardware	19
5.2 Software	19
6 IMPLEMENTATION	20-30
6.1 Mathematical Implementation	20
6.2 Algorithms for Implementation	21
6.3 Components Implementation	22
6.4 JAVA coding for Implementation	28
6.5 JAVA packages	28
7 RESULT ANALYSIS	31-41
7.1 Testing	31
7.2 Testing Results	32
7.3 Results	35
7.4 Snapshots	36
8 CONCLUSION	42
BIBLIOGRAPHY	43-46

LIST OF FIGURES

S.No. FIGURE	PAGE NO.
1.1 Typical DDoS attack	2
3.1 PPM method	11
3.2 DPM method	13
4.1 A simple Network for DDoS attack	16
4.2 Network system architecture	18
6.1 Client-component	23
6.2 Attacker-component	24
6.3 Router while sending a file	25
6.4 Victim-component	26
6.5 Flow monitoring at Victim	27
7.1 Integration-testing	33
7.2 Functional-testing	34
7.3 System-Testing	34
7.4 Attacker-snapshot	36
7.5 Client 1-snapshot	37
7.6 Client 2-snapshot	38
7.7 Router 1-snapshot	39
7.8 Router 2-snapshot	40
7.9 Victim-snapshot	41