

ONLINE PHISHING DETECTION AND PREVENTION

A PROJECT REPORT

Submitted by

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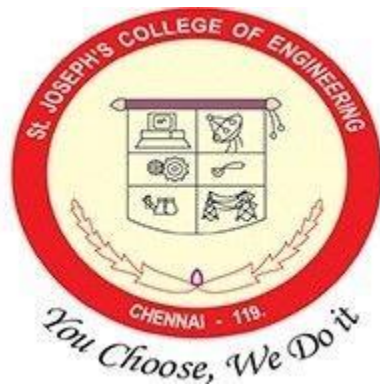
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In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

in

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BONAFIDE CERTIFICATE

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ABSTRACT

Phishing is a new type of network attack where the attacker creates a replica of an existing web page to fool users in to submitting personal, financial, or password data to what they think is their service provider's website. The concept is a end host based anti-phishing algorithm, called the Link Guard, by utilizing the generic characteristics of the hyperlinks in phishing attacks. The link Guard algorithm is the concept for finding the phishing emails sent by the phisher to grasp the information of the end user. Link Guard is based on the careful analysis of the characteristics of phishing hyperlinks. Each end user is implemented with Link Guard algorithm. After doing so the end user recognizes the phishing emails and can avoid responding to such mails. Since Link Guard is characteristics based it can detect and prevent not only known phishing attacks but also unknown ones.

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LIST OF ABBREVIATIONS

URL	UNIFIED RESOURCE LOCATION
AC	ASSOCIATIVE CLASSIFICATION
DNS	DOMAIN NAME SERVER
IP	INTERNET PROTOCOL
SMTP	SIMPLE MAIL TRANSFER PROTOCOL
URI	UNIFIED RESOURCE IDENTIFIER
API	APPLICATION PROGRAM INTERFACE
SQL	STRUCTURED QUERY LANGUAGE
ODBC	OPERATIONAL DATABASE CONNECTIVITY
DBMS	DATABASE MANAGEMENT SYSTEM
JSP	JAVA SERVER PAGES
HTTP	HYPERTEXT MARKUP LANGUAGE
CGI	COMMON GATEWAY INTERFACE
JVM	JAVA VIRTUAL MACHINE