Project Synopsis
on
# DARK WEB CRAWLER

Submitted as a part of the course curriculum for

## Bachelor of Technology
in
## Computer Science & Engineering

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# <u>DECLARATION</u>

We hereby declare that this submission is our work and that, to the best of our knowledge and belief, it contains no material previously published or written by another person nor material which to a substantial extent has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment has been made in the text.

Signature of Students

Names of group members:

Kartikeya Srivastava
Really Singh
Rishi Srivastava

# CERTIFICATE

This is to certify that the Project Report entitled "*DARK WEB CRAWLER*" which is submitted by **Really Singh, Rishi Srivastava, and Kartikeya Srivastava** in partial fulfilment of the requirement for the award of degree B. Tech. in the Department of Computer Science & Engineering of Dr. A.P.J. Abdul Kalam Technical University, Lucknow is a record of the candidates own work carried out by them under my supervision. The matter embodied in this report is original and has not been submitted for the award of any other degree.

**Date:**                                               **Supervisor Signature**
                                                         Prof. Gaurav Parashar
                                                         Assistant Professor
                                                         **Department of
                                                         Computer Science &
                                                         Engineering**

# ACKNOWLEDGEMENT

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Last but not the least, we acknowledge our friends for their contribution to the completion of the project who had motivated us throughout.

Signature of Students

Names of group members:

Rishi Srivastava
Kartikeya Srivastava
Really Singh

# ABSTRACT

The purpose of this project was to develop an Dark web Crawler to protect computer systems from malware attacks. The software was designed to have a user-friendly interface, fast scanning speed, and high accuracy in detecting malware.

The software utilised signature-based detection as well as heuristics to identify and neutralise threats. The project also included regular updates to the virus definition database to stay current with the evolving threat landscape.

The results showed that the antivirus software was effective in detecting and removing various types of malware, including viruses, Trojans, and spyware. The software was found to be efficient in terms of speed and had a low false positive rate.

The conclusion of the project was that the antivirus software was a valuable tool for securing computer systems and protecting against malware attacks.

# Study of an Dark Web Crawler Framework

## Abstract

Commercial dark web crawler has a wonderful in terms of knowing dark web in system  signature works, this method can accurately detect the known viruses. The study of anti-virus technology of the foreign scholars focuses on the following aspects, improving the ability of crawler software to amiltate in search engine .

Against signature matching problem, and improving the efficiency of the signature matching algorithm. In order to prevent the virus cause damage, select the VMWare configuration of the Windows xp virtual machine as a test environment. Selecting gray pigeons virus spread widely for experiment.
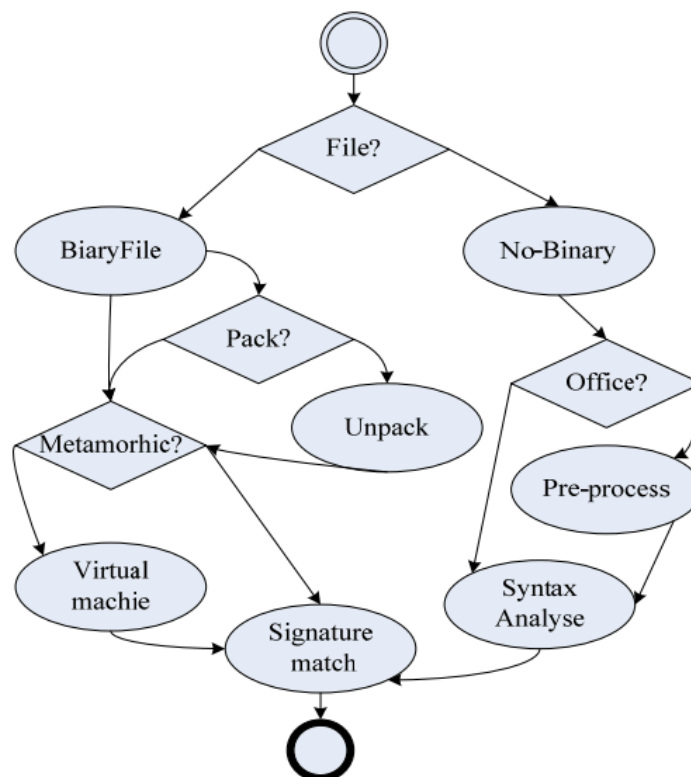
FIGURE I. FILE TYPE TESTING ACTIVITY DIAGRAM.

# <u>CONCLUSION</u>

In conclusion, the development of an Dark web Crawler  was a successful endeavour that addressed the need for a reliable solution to protect computer systems from malware attacks.

The software was designed with a user-friendly interface, fast scanning speed, and high accuracy in detecting malware. The utilisation of signature-based detection and heuristics, along with regular updates to the virus definition database, allowed the software to stay current with the evolving threat landscape.

The results showed that the crawler dark web  was effective  in detecting and knowing various crawling.
Dark Web Crawler was also found to be efficient in terms of speed and had a low false positive rate.