Microdot Technology for Secured Data Transferring

[1]*Katuri Aditya, [2]Pola Venkatesh (Btech), [3]G.Veereh (Btech)*

[1]Btech Computer Science And Cyber Crime Analyst

[2&3]Computer Science Department

[1]Aditya.Katuri@Gmail.Com

[2]Pola.Venkatesh1992@Gmail.Com

[3]Veeresh7721@Gmail.Com

ARTICLE INFO	ABSTRACT
corresponding Author: [1]*Katuri Aditya*	We designed a new technology named "microdot encryption" here microdot is a data, hiding in a dot (.) .for this we write a sentence with letters by which all the confidential data which is to be sent is hidden. Plain data is hidden by using a private key (private key in the sense that key resembles the letter were the confidential data is present) using which data is encrypted and hidden in dot (.) .for this we need a microdot encryption algorithm which is to be constructed using a work flow.

INTRODUCTION

Microdot Technology has emerged as being head and shoulders above the rest in securing the identity of the vehicle.

Microdot technology is basically used in vehicles to find the number and able identify the correct person that which the vehicle belongs to and it reduces the vehicle crime .we designed a new technology microdot encryption to reduce the cyber crimes.It is mostly used for army forces to transfer the data confidentiall Here we use a hardware part [1]

To identify the microdot and info in that dot (.) we by using this hardware technology that totally converts it into the software.

FIRST WE NEED KNOW WHAT A MICRODOT IS:

Microdots

Invented by Germans during WORLDWAR II

Images at high resolution

Shrunken to tiny size – usually that of period (.), dots on i, j or umlauts (ö) in text

Read with microscope if you knew where to look

Microdots are sub millimeter identification tags virtually invisible to the naked eye

226 characters of information smaller than a grain of sand.

Compulsory microdot technology could reduce motor vehicle crime!

Introduction part explains existing system of microdot [2][3][4]

PROPOSED SYSTEM

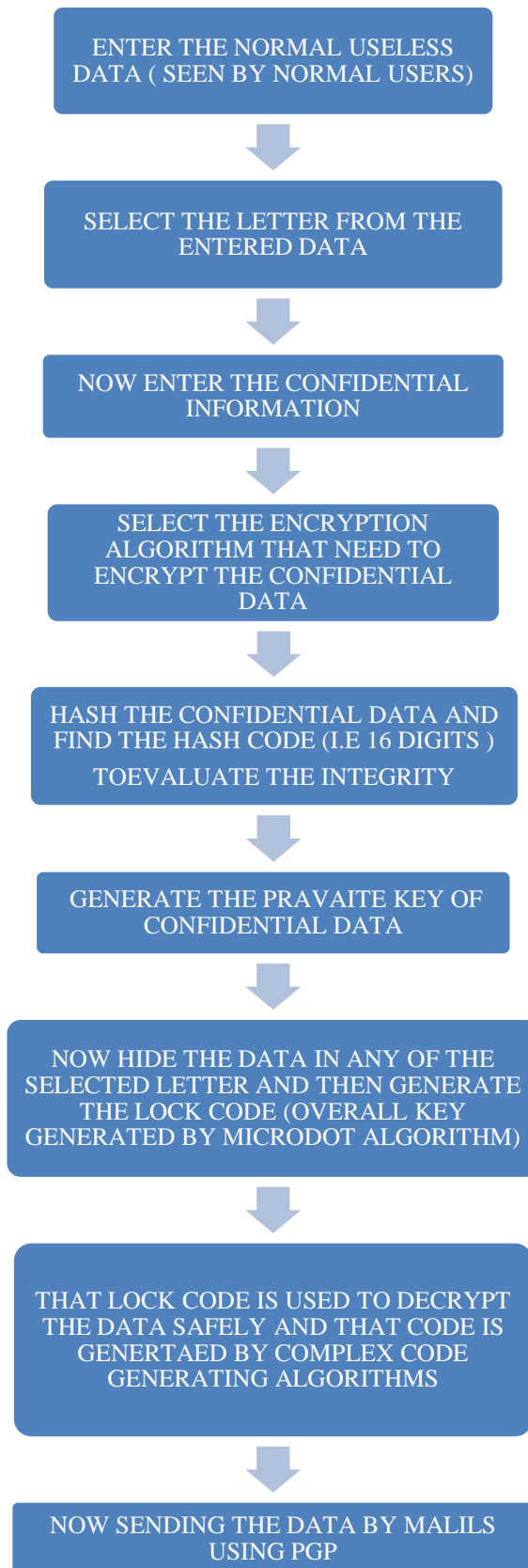We already know the microdot technology vehicles now let's see the new microdot

technology in computer to store the data with high security integrity .We explain the technology with flow chart. In this flow chart we explain about how a user used to send a data to other user. We explained this technology with PGP(pretty good privacy) format

ENTER THE NORMAL USELESS DATA (SEEN BY NORMAL USERS)

↓

SELECT THE LETTER FROM THE ENTERED DATA

↓

NOW ENTER THE CONFIDENTIAL INFORMATION

↓

SELECT THE ENCRYPTION ALGORITHM THAT NEED TO ENCRYPT THE CONFIDENTIAL DATA

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HASH THE CONFIDENTIAL DATA AND FIND THE HASH CODE (I.E 16 DIGITS) TOEVALUATE THE INTEGRITY

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GENERATE THE PRAVAITE KEY OF CONFIDENTIAL DATA

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NOW HIDE THE DATA IN ANY OF THE SELECTED LETTER AND THEN GENERATE THE LOCK CODE (OVERALL KEY GENERATED BY MICRODOT ALGORITHM)

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THAT LOCK CODE IS USED TO DECRYPT THE DATA SAFELY AND THAT CODE IS GENERTAED BY COMPLEX CODE GENERATING ALGORITHMS

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NOW SENDING THE DATA BY MALILS USING PGP

Now we explain the flow chart step by step

EXPLANATION OF PROPOSED SYSTEM

STEP -1: First user composes a mail document text file or so on… for betterment just take a mailing system, user write a mail (so called normal text) .

STEP -2: Now select a letter from that normal data. Butwhy? Because here the confidential data is to be stored in any of the letter present in that data which is known to microdot encryption system
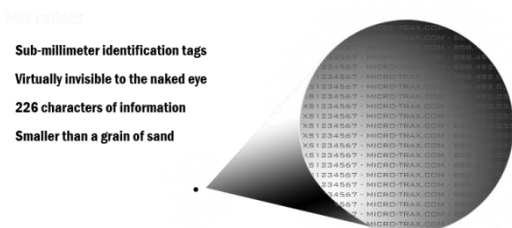
STEP -3: After selecting the Letter ,confidential Information window opens we need to enter the actual information which needs to be send

STEP -4: That data needs to be encrypted for confidentiality in the technical world. there are lot of encryption algorithms available.so we have a option to select the algorithm so that data is encrypted and unable to read by normal users

STEP -5: Now we need to hash the confidential data and that hashing algorithm produces a 16 digit code. if any problem occurs we can be able to verify the integrity of the data .hashing provides integrity which means normal user compares

received and sent information's hashing code if that results equal, that means data received is correct.

STEP -6: Now encryption algorithm in **STEP -4 produces** a private key that is needed to decrypt the confidential information generated

STEP -7: In this step the data is hiden in any of the letter which is known to microdot and it now generates a final key called as overall microdot confidential key, that is used to unpack the data even that key is not even known to user.
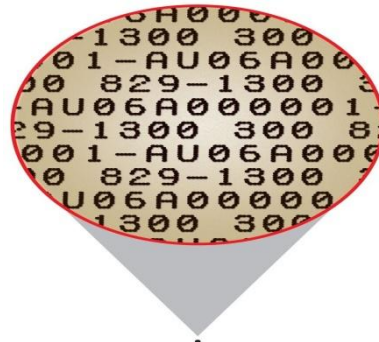
STEP -8: Then how user decrypts the data? We have complex code algorithms .They instantly generates a code that code is used to decrypt the data over microdot generated key.it keeps on changing when receiver asks for the decrypting code that instantly produces a code that automatically used to decrypts the data

STEP -9: Now start sending the mail where key is not even known to you but only for microdot technology

WHY MICRO DOT AND WHAT ARE ITS USES?

It is used for army technical team to send data securely from one place to other without any information leaking

It can be used in mailing system for secure mailing .If a hacker hacks the data ,he can't do anything with data. Even its long term process to find a text in which the data is present.

Even it can be upgraded to audio video graphic file

It can be used in Wi-Fi data transmission

It can be used in Bluetooth data transmissions

It can be used in any data transmission system

Everant

CONCLUSION:

New technology with new innovative idea, but there is some violation in PGP and so many data transferring mechanisms. So to avoid such problems we designed a secured data encryption that can be sent using any data transmission system but data is not hacked or decoded.

REFERNCES:

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AUTHORS
KATURI ADITYA
Email: aditya.katuri@gmail.com
Phone:9493626629

1) **POLA VENKATESH**
   EMAIL:
   pola.venkatesh1992@gmail.com
   PHONE: 9666149110

2) **G VEERESH**
   EMAIL: veeresh7721@gmail.com
   PHONE: 9014919529