

Tracking Down Stolen Laptop

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Abstract:- This system proposes a Laptop tracking system in order to overcome the theft of Laptop being stolen or misplaced using Laptop tracking Software. In this system once the user gets the laptop he must register with the admin. Then the user installs the application (laptop tracking software) in the laptop. If the user laptop is stolen, then the user can login into his account through a particular website and sends the alert that the laptop is stolen. Now the particular laptop status will be in lost list. When the application in the user laptop receives the message that the laptop is being lost or stolen, it track the location of the user, captures the image of stealer ,encrypts the data, locks the specific drives, and sends the message to the user/owner of the laptop. This can also be done by incorporation a sensor which can enable and disabled through via SMS/Miscalls or can be done manually. All these processes are done offline.

Keywords:- sms, email, image capture, encrypt, drive lock.

I. INTRODUCTION

Losing a laptop through either misplacing it or by theft can be devastating. Not only is the financial loss but the loss of personal files, documents, photos and other data can be even more upsetting. It can also be potentially very dangerous, as any criminal could then have access to your email or online banking accounts, which combine with other personal data on your laptop.

The current method of laptop tracking is mainly through manual verification by security personnel. Any manual process is wastage of employee's time as well as a big irritant. The existing laptop tracking system works only online. Security issues arise as it uses internet. In this tracking system drives cannot be locked. The system which we are developing will track the location of the laptop, also locks the drives and the process is done offline

II. EXISTING SYSTEM

The current method of laptop tracking is mainly through manual verification by security personnel. The existing laptop tracking system works only online.

Some of the existing systems are Privacy-Preserving Location Tracking of Lost or Stolen Devices, LoJack and Front Door Software

III. DISADVANTAGE OF EXISTING SYSTEM

Since the existing system is done online it is not safe or secured to use it and the system is not useful when there is no internet connection. Hence the method that uses internet cannot be used in all situations.

The manual verification method is very difficult and may not be accurate. It is also time consuming to go and identify the lost laptop manually.

IV. PROPOSED SYSTEM

The system which we are developing will track the location of the laptop, also encrypts the files inside the drives, captures the image of the thief or some unauthorized user and the process is done offline.

The system which we are developing will provide security against laptop theft. This process is done offline because the location of the lost laptop is retrieved without any internet usage and the drives can be locked.

V. ADVANTAGES OF PROPOSED SYSTEM

The proposed system has the following advantages over existing systems: The laptop tracking system works offline i.e., the location of lost laptop can be tracked without using internet, using GSM. Drives can be locked. The drives that are specified by the user can be locked. Security is ensured. As the drives will be locked security is ensured.

VI. USE CASE DIAGRAM

The use case diagram is a graphic depiction of the interactions among the elements. The actors, usually individuals involved with the system defined according to their roles. In our project some of the use cases are create user, login, send SMS, view lost list, receive location and add laptop to lost list, view laptop details and the same is illustrated with the help of figure as shown below:

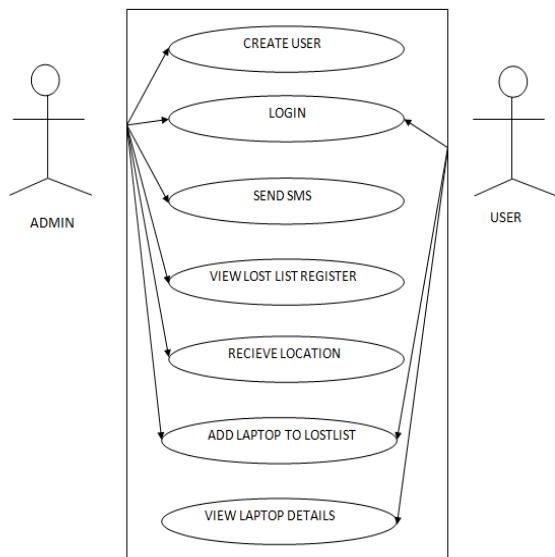


Fig 1:- Use Case Diagram

VII. ADVANTAGES

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- The laptop tracking system works offline i.e., the location of lost laptop can be tracked without using internet, using GSM.
- Drives can be locked. The drives that are specified by the user can be locked.
- Security is ensured. As the drives will be locked security is ensured.

VIII. CONCLUSIONS

Statistically, laptops are stolen every day, but laptop tracking software is one way for business and individuals to protect their investment. Sometimes it's referred as anti-theft software, but it is not preventive software. There are preventive means of stopping thieves from taking our laptop, but most of those are your own personal actions and habits. Since the project has the feature of encrypting the data it adds more security to the data.

Laptop tracking software is one of those backup plans. It's designed to be stealthy and silent. When you discover that your laptop is missing, you can activate the proposed laptop tracking system. Then when the computer is turned on and it can be located.

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