STOLEN PHONE RECOVERING PORTAL

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Abstract

We have observed that in many places the phones are being theft by the thieves and people are facing lot of problems without phones. This problem is usually faced in public places. There is no chance for finding the mobile in that situation. Hence, there is a requirement for finding the mobiles. The proposed solution can help to find the mobile by the help of other people.

The outcome of our project is to build a portal to find stolen mobiles in easy way. Each mobile phone has a 15-digit unique identification number-IMEI number. The person who lost his mobile should enter his primary details along with the lost phone IMEI number in the user page. The viewer will also enter his primary details in the viewer page. If the IMEI numbers are matched then it is displayed as "this is a stolen phone" in red colour.

1. INTRODUCTION

Innovative technologies are being developed by people to improve the quality of human lives in this age, and all are using technological advances in many ways. Generally, we are experiencing and seeing many Mobile theft cases in our daily lives, to recover the mobile from thieves it takes a lot of time as it takes intervention of government, Cybercrime department. In this recovery process the chance of recovering the mobile is very less i.e., less than 40%. To overcome this, we need to create a software which increases the recovery rate. The idea of recovering a stolen phone via GPS tracking has been around since the last few decades but the problem with this is it needs government to handle this. So, we tried to create a website which tells the person who is buying the mobile whether it is stolen or not with the help of IMEI number which also helps the person who lost mobile to recover it. The mobile number in a handset may be changed by changing SIM but IMEI number can be changed by a technical person using special equipment. The unique number of

mobile devices is allocated by global industry body GSMA and bodies authorised by it.

2. RELATED WORK

With the aim to curtail the counterfeit mobile phone market and discourage mobile phone theft, protect consumer interest and facilitate law enforcement authorities for lawful interception, DoT intends to implement Central Equipment Identity Registry (CEIR) that connects to the IMEI database of all the mobile Operators. CEIR acts as a central system for all network Operators to share black listed mobile devices so that devices blacklisted in one network will not work on other networks even if the Subscriber Identity Module (SIM) card in the device is changed. Google LLC released an" Android Device Manager "application that allows users to find their smartphones if stolen or misplaced. It was attached to the Google account of every user, so as to make it available for anybody that owns a Google account. The application is available on the web and also on Android. Users can lock, wipe, and ring their phone from another device (either smartphone or PC) remotely. A real-time map is also available with a marker on the current location of the phone when online, or the last recorded location before going offline. This application turns out to be redundant

if the user is logged out of his/her Google account, it loses control over the lost device. For this reason, the developed application of this will not allow a user to be logged out, and may prevent uninstallation of the application.

3. IMPLEMENTATION

So, we built a portal so that the phone could be recovered easily. Each mobile phone has a 15-digit unique identification number — International Mobile Equipment Identity (IMEI) number. Whenever a user makes a call, the call record shows phone number of the caller and IMEI number of the handset from which the call has been made. The mobile number in a handset may be changed by changing SIM but IMEI number can be changed by a technical person using special equipment. The unique number of mobile devices is allocated by global industry body GSMA and bodies authorised by it. The person who lost his mobile should enter his primary details along with the lost phone IMEI number in the user page.when a phone is stolen there is a delay in finding the phone with the help of government officials and people face lot of difficulties. if the IMEI numbers are matched then it is displayed as "this is a stolen phone" in red colour ,At the same time the user gets the mail with the primary details of the viewer ,The user can

recover his phone by the help of the viewer. Another person who opened this portal for checking a phone is stolen or not should enter his primary details along with IMEI number in the viewer page. Here, the help of the viewer is essential in recovering the stolen phone. In the past few years, computers have been tremendously miniatured. Advances in information and communication technology have led to the development of various handheld and pocket-sized telecommunication devices, whose importance in the current global information technology economy cannot be overemphasized. The mobile phone, being the most common form of such devices possess extensive computing capabilities, including high-speed access to internet services regardless of its small size. Today, mobile phones have become almost indispensable because of the ease at which they can be carried around, and readily integrated into a user's routine. Connecting with work, family and friends has been made easy with the use of mobile phones. In 2016, an estimated 62.9% of the population worldwide already owned a mobile phone. The mobile phone penetration is forecasted to continue to grow, rounding up to 67% by 2019. In India, for example, smartphone users have been forecast to grow to over 1 billion by

2026 with rural areas driving the sale of internet-enabled phones. Attempts have been made by several researchers towards the development of an efficient mobile phone tracking system, developed an Anti-Theft Application for Lost or Misplaced Smartphones. These applications were designed to enable users track their lost or misplaced devices. This was made possible with the use of GPS tracking, SMS etc.
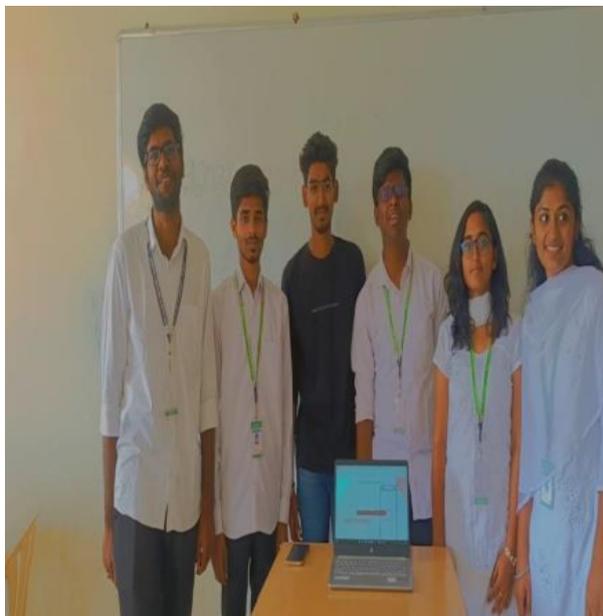
4. EXPERIMENTAL RESULTS

This website can be implemented by using XAMPP server which hosts the website. It requires basic knowledge on HTML, CSS, and PHP to create a website and design for it.

By giving people awareness about this website, the stolen mobiles can be recovered/ retrieved up to some extent which saves a lot of time with low cost.

We have proposed a solution- Stolen Phone Recovering Portal, to help recover the stolen mobiles from the thieves.

☐ Our website consists of two pages User page and Viewer page.

☐ In user page, a person can submit their details of stolen mobile like IMEI and his contact details like Mobile number and Mail.

☐ In Viewer page, the person can check whether the mobile he/she is buying is stolen or not with the help of IMEI number.

☐ In Viewer page, the person also needs to submit their Contact details and address.

☐ If the Checked mobile's IMEI number is matched with IMEI number of a user, the website displays a message i.e., "This was a stolen mobile".

☐ This message alerts the person who is buying the mobile to not buy it.

☐ While checking whether the mobile was a stolen one or not, if the IMEI number is matched with some other user, the website automatically sends a mail to the user's mail that his/her mobile was found to be selling.

☐ At the same time, the buyer's details will be sent to the user.

☐ With this he/she can contact the buyer and can try to recover their mobile.

5. CONCLUSION

At last, we have come up with a solution that helps to recover a Stolen mobile from thieves. This website is user friendly with minimal cost and it helps in recovering the mobile quickly.

In 2021, a total of 4068 mobiles were stolen in Navi Mumbai out of which 1263 were retrieved in comparisons to 845 out of 5097 in 2020. It shows that at least 50% mobiles can't be retrieved with the intervention of government. Our web portal will increase this percentage atleast to 50%-60%.

6. REFERENCE

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