CHAPTER I
INTRODUCTION

1.1 Project Background

Mobile Anti-Theft System is an application based on Android used for tracking back stolen or lost mobile. The devices that will be located through the application will be android based operating systems, as the mobile application is android functional. The devices should have an active internet connection and it is needed to be switched on and get the application working.

The camera of the mobile phone must be working, as when the application will be triggered with lost status the mobile application and camera will be opened and it will be it will click a picture most probably of the thief or the person holding it and the picture will be uploaded in the database and hence it can be accessed or sent to the email from there.

In this paper, a service for context tracking of Smart handheld devices is proposed that takes into account both location of the device and user context for better surveillance. This technique can be applied for tracking the location of individuals, lost or stolen devices, etc. in a user-friendly manner that saves considerable time.

1.2 Problem Identification

The problem identification that can be highlighted throughout this research are:

i. Some people still don't know how to locate an android when it is lost, making their android impossible to locate.

ii. Some Android GPS tracking systems lack the tracking camera feature, making it challenging for victims to recognize the burglar.

iii. Some systems lack a notice function that can alert the thief that they are attempting to access the stolen Android, making the owner realize that their Android is being attempted to be unlocked by the thief.

1.3 Objectives

The objectives of this project are:

i.   To develop Android Phone Theft Security With GPS Tracking.

ii. To design features for cameras for capture theft.

iii. To create a Gmail notification function for the user.

1.4 Significance

This part of the research contains few beneficiaries. The first one would be to successfully create an android-based theft security system with GPS tracking so that users of the program would be alerted if a thief attempted to open their phone using their password.

not only that, the application system can take a photo of the thief's face when someone or a thief opens a locked android, making it simple for android users to recognize the thief.

Finally, The system will alert the user by sending a notification via a Gmail account that has activation from the application only that can access the contents of the Gmail which contains the photos and the location of the thief when someone or a thief enters the incorrect password.

1.5 Scope of Project

Scope of work is a list of tasks that must be completed for the project to be completed within its specified boundaries. The work scope is important for ensuring that the project is on track to meet its objectives. The goals of this project are to build an android-based theft security system with GPS tracking.

1.5.1   User Scope

i.   The user has access to all data, including the ability to create limit, email, and camera.

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1.5.2   System Scope

i.   Users can register directly by click the register menu and login menu by completing name, email, and password.

ii.   Users can access the functions of the application.

iii.   Users can turn on or turn off the application.

1.6 Assumptions and Limitations

1.6.1   Assumptions

i.   Contributing to find locating the stolen or lost device would be easy track so that the resulting information is more effective and efficient.

ii.   To develop for users to find who stolen android user.

iii.   Using Gmail notifications, make the user to speed up the search process by not taking more time.

1.6.2   Limitations

i.   The camera and location of the mobile phone must be working.

ii.   This application only works when the internet connection is active.

iii.   This app can only be tracked When a thief tries to unlock your screen.