

# SMART SECURITY AND SERVICE

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**Abstract**-The project entitled as "SMART SECURITY AND SERVICE" is a study of android application which contain all details about house owner they are identified by using door number. The android application has Administrator, Guard and House owner followed up with New Registration. The android application is provide with secured account along with their pass code. The purpose of application is to automate the system in existing system the visitor need entered their entry in note book, by using application the watchman capture a photo of visitor and send the request to owner, if owner accept the visitor allowed to visit, and owner can give the request for service which they need, the admin will send service person to owner.

Home security has become a major concern in recent years. As the technology is emerging every second, home based security systems are developing with many modern features to stay the house safe. In This paper provides the design and prototype implementation of a home security system that creates home security flexible, and fewer expensive.

## 1. INTRODUCTION

The Smart Security and Service is an android application for Apartment security, the application contain all detail about house owner. The entire project is about security and service, here house owner should register their details for login. Administrator contain details of house owner, The guard will capture the visitor photo and their collect the details and send the data to house owner, if owner accept the request it sent to admin, the admin will send the request message to guard. House owner can give their service needs to administrator they will send service person Smartphones are becoming more and more popular around the world because it combines the features of a mobile with other features, like GPS navigation unit, web browsing, Wi-Fi, and 3rd-party apps. Among smartphones, Android smartphones are getting so popular nowadays. Currently, Android OS dominates about 81% of world smartphone market. Prevention of crime by using android smartphone is one among the goals of this research.

Crime is increasing day by day and other people have less time to spend at their houses. Now it's become a matter of great concern. the outside time, people become tensed about their house safety. For this nowadays, watchman has become a standard figure for home maintenance. This paper presents a smart home security and service.

## 2. SYSTEM ANALYSIS

System study is a study of processing data in the system by the software. Analysis is a detailed study of various operation of its modules performed by the system and their

relationship within and outside the system. During analysis data is collected in available files. The system analysis help us to create new system or improving existing system. It is also a systematic investigation of a real and planned system to determine the function of the system and how they relate each other and to other system. This system offers userfriendly interface. Anyone having little knowledge on android can use this technique. As the system is predicated on internet, it are often accessed from anywhere.

## 3. APPLICATION STUDY

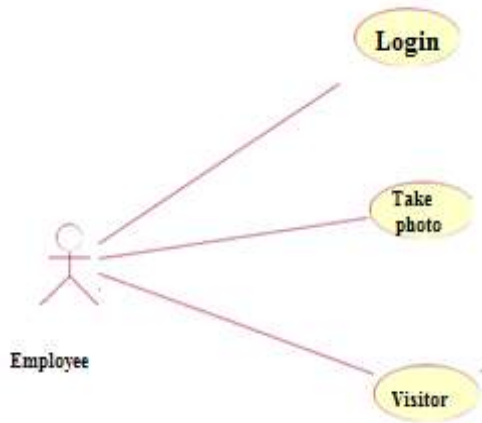
The smart security and service is android application for apartment, where the house owner have security and service. Administrator give service response and guard will give visitor request. Every house owner have user name and password for login and also separate login for administrator and guard

## 4. EXISTING SYSTEM

At present, the requirement of the system are done manually where the data regarding the books are stored in paper documents. The manual data are very tedious job to maintain the errors are individual dependent. It may even let to loss of data at any situation. To create a report the visitor data are stored in notebook, it contain huge data collection. Another major drawback is the common amount of physical volume of data. In case of manual processing, chances of using incorrect data are high. There is no proper organisation of data. The security of data is very low.

## 5. PROPOSED SYSTEM

The SMART SECURITY AND SERVICE is a mobile application which avoids new visitor into the apartment. The new house owner are registered and their data are stored to administrator. The house owner can request their service according to their needs to administrator, new visitor are capture a photo by watch man and collected a details from visitor and request is sent to the house owner they are allowed when house owner accept the request from watchman the accepted request is sent to the administrator



## 6. USER MODULE

In user module house owner should logged in according to their username and password which are registered. If username and password is incorrect it will notify the user.

### 6.1. USER PAGE, GUARD REQUEST:

User page has two options service and guard request. In guard request the watchman will send the visitor details to house owner they have two options whether they can accept or reject the visitor.

### 6.2. SERVICE REQUEST

In service request owner can give the request according to their needs. It contains name, door no along with block, phone no and service.

### 6.3. WATCHMAN MODULE

In watchman module they should logged to the app .The watchman page have three functions owner details, visitor and owner message.

### 6.4. VISITOR IMAGE AND VISITOR REQUEST

In Visitor Request watchman get the visitor details and sent the detail to house owner, and visitor details are stored in database. In visitor image visitor photos are taken and stored in database

### 6.5 OWNER RESPONSE

In owner response the visitor request is sent to house owner they have two options accept or reject. In owner response the visitor request is sent to house owner they have two options accept or reject.

### 6.6. ADMIN MODULE

In admin module they have to login. The module have the details about house owner, visitor, and service request from house owner.

## 7. CONCLUSION

We have learnt how the proposed system is better than the existing system. It is compatible to everyone. The existing system provides a way to maintain records manually. The application is very useful for house owners and administrator. Proposed system will help to reduce human effort. Administrator contains every house owner details, visitor details and service request. Watchman will sent the request to house owner, the house owner will sent the response whether to accept visitor are not.

## REFERENCES

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