**APARTMENT MANAGEMENT AND AUTOMATION SYSTEM**

**Abstract:**

The aim of the project is to provide complete automation of apartment activities in our day to day life, it can resolve the difficulties of apartment maintained and increases no of functionalities

**Existing System:**

There is no proper communication between apartment residences

There is no proper intimation of activates or functions conducted in the apartment

Gatekeeper need to do all his activates manually.

**Proposed System:**

The proposed application is android application which can accessible for every user through app.

This is having following advantages:

* Admin can post information to all residents
* Residents can put complaints to admin
* Admin can maintain all rent details
* Resident can easily know rent and maintenance details
* Resident can send information easily to gatekeeper
* Gatekeeper can maintain all visitor details
* Gatekeeper can send couriers and letters and other received products info to residents
* Easy to find theft details
* Gatekeeper can upload current bills to residents
* Residents can invite the other residents to participate in events and other parties
* Resident can easily get permission from other residents and owner by taking opinions
* Residents can find the people who are having same working platform and same interests in the apartment
* Residents can know the other residents information by searching
* Residents can maintain the same interested groups in the apartment.

**Modules**

1. **Admin**

In this admin module admin can perform all the maintain activities of apartment like admin can add residents and he can regularly update the rent, maintained due details, at the same time admin can view the complaints for residents and he can give reply for complaints.

1. **Residents**

In this module Residents can updated their profile details like(contact details, no of residents ) and etc… and residents can post complainants if they have and they can view the rent and maintenance due details.

Even residents can create groups with other residents based on their interest it helps residents to main the relationship with others and to share information

And even residents can get information from gatekeeper like fast alerts and any information

1. **Gatekeeper**

In this module gate keeper can maintain the visitor details in the application, it helps him to generate visitor reports, and even gate keeper can post information to residents regarding parcels they got, or current bills, letters and etc..

**System Requirements**

**Hardware and Software Requirements:**

**Hardware Requirements:**

Processor                   :       Intel Core Duo 2.0 GHz or more

RAM                          :       1 GB or More

Hard disk                    :       80GB or more

Monitor                      :       15” CRT or LCD monitor

Keyboard                   :      Normal or Multimedia

Mouse                       :       Compatible mouse

**Software Requirements:**

Operating System : Windows Xp

Web Designing : JavaScript, Css

Server : Apache Tomcat

Technology :Java/j2ee(Jdbc/Servlet,Jsp)

Front End : Java

Back End : MySQL