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Housing Society Management

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Abstract: ***Housing society management plays a significant role in our residential life. Our day-to-day needs such as water supply, electricity, security, and maintenance come under housing society management. This framework exists for the purpose to help and ease our life yet has many traditional methods and a lot of paperwork. Our proposed framework is an android application that will computerize all day-to-day operations in society. This framework is an automated framework that will keep the details of daily notices, monthly gatherings, cultural occasions and also contains sections such as compliant, domestic help, calendar, etc Lodging social orders are a large obligation to form due. With their sizes expanding consistently to require structure like incorporated municipalities, overseeing them has become assignment of its own. Today"s current culture needs a far present day declare its legitimate administration, which might supplant the human endeavors. Any Co- usable Society or Housing Society need a controversy free and productive society the executives framework for handling its everyday exercises. Society the board framework has not exclusively to manage its grumblings yet has to be careful for any remaining office and exercises under the overall public premises. Consequently taking assistance of society the board programming causes us to be happy. This framework exists for the explanation to assist and facilitate our life yet have numerous conventional strategies and parcel of desk work. Our proposed framework is an android application which is able to automate most of the everyday activities within the general public. This framework may be a mechanized framework which can keep the subtleties of day to day sees, month to month gatherings, far-reaching developments and furthermore contains segments, for instance, consistent, part information, and so on***

I. INTRODUCTION

Innovation keeps on being an incredible impetus for change in every aspect of business and correspondence, and the Housingsociety section is no special case. Our city life has significant things to bargain on a routine with the lodging society the board. Our day-to-day needs like water supply, power, security, and a lot more things which straightforwardly or in a roundabout way assume an essential part in private life, goes under Housing Society Management. It is a portable application for Housing and Commercial Societies which gives a special involvement with Community Living. It assists with compelling organizations and the executives inside the complex. It is an ideal answer for making living in an apartmentbuilding a wonderful and advantageous experience - for the occupants, the overseeing council individuals, and the administrator. This framework exists for the reason to help and facilitate our life yet have numerous conventional strategies and part of administrative work. Our proposed framework is an android application that will modernize most of the everyday tasks for the general public. This framework is a mechanized framework that will keep the subtleties of day-to-day sees, month-to-month gatherings, widespread developments, and contains. This framework is created to oversee the everyday exercises of any co-employable lodging society. For the most part, in the public arena basically, everything is physical. As everything work is done on paper so it is extremely challenging to oversee and monitor everything costs in the general public. This general public administration framework will modernize most of the everyday activities of the general public. There is no mechanized framework for doing everything that for the most part occurs in the public arena, so individuals can come to realize what's going on in the public eye. This framework additionally raises solicitations against all pads or select pads given region or in light of a proper sum. Individuals can see their support bill at whatever point a receipt is raised against their level. This means of keeping a general public is made in such a manner, so the most widely recognized issue looked at in private social orders are settled. The administrator can likewise monitor costs utilizing this framework and reports which incorporate supplier bills. areas, for example, consistent, homegrown assistance, schedule, and so forth. Figure 1 shows the overall framework design of the application wherein the client and the administrator collaborate with the webserver which brings the information from the data set. Nowadays, Android is getting prevalent among individuals by giving more astute methods of correspondence. Considering the Indian economy, Android fills in as a reasonable innovation for every resident to purchase. Strong and distributive working of cell phones developmentally affects versatile figuring. In this setting, the android application gives a powerful method for correspondence in a more brilliant manner. Inferable from the elements of android like open source, Customizable UI. This undertaking can assume a crucial part in answering assignments of private social orders that are "basic to deal with physically", by diminishing endeavors and headways in a dependable correspondence.

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This applicationcompletely functions as a notifier that tells about gatherings, notifications to the inhabitants, and the grievances to the administrator. Consequently, this application can give a more intelligent and productive method of correspondence between society occupants and higher specialists. It's having a summed up framework design where the administrator has every one of the specialists, for example, to sees, gatherings, and so forth which will be put away in the data set through which the client can assimilate these subtleties.

II. LITERATURE SURVEY

A. *Literature Background*

1) *Android OS:* Android is an open-source and Linux-based bundle for cells like cell phones and tablet PCs. Android was made by the Open Handset Alliance, driven by Google, and various associations.Android offers a united because of manage application improvement for PDAs which recommends planners need to become only for Android, and their applications should have the determination to run on different contraptions filled by Android. the preeminent beta variation of the Android Software Development Kit (SDK) was conveyed by Google in 2007, however the central business variation, Android 1.0, was conveyed in September 2008. The ASCII PC document for Android is available under free and open-source programming licenses. Google circulates a curiouslylarge part of the code under the Apache License interpretation 2.0 and furthermore the rest of, segment changes, under the GNU General PublicLicense version 2 [1]

The thought behind these papers is to concentrate on different strategies and methods to push warnings on different android gadgets. It follows the standard of distributed computing and circulated processing. There are numerous modest bunch advancements, which push information or content on cell phones/tablets. The need for innovations contemplated is Google Cloud Informing (GCM), C2DM (Cloud to Gadget Informing), and Xtify for validating a client, as well as taking care ofall parts of messages and conveyance to the objective application on the objective gadget. The essential notice application is carried out utilizing Google Cloud messaging.[2] Google Cloud Informing for Android (GCM) gives an office to send information from the server to the Android cell phone of the client, and gets messages from different gadgets inside a network as per the Android designer site, "anassistance that helps designers send information fromservers to their Android applications on Android gadgets." Subsequently, the general reason furthermore, the extent of this undertaking is reachable by Pop-up message innovation (GCM)[2].

III. OBJECTIVES

The target of the task is to accomplish the objectives recorded underneath which will assist the client with collaborating with the framework and make the greatest advantage out of it.

1) Simple Oversee of part's profile by theadministrator.
2) Individuals can tackle most of society's issues here
3) Plan of use distraught as an effectively utilize anyindividual.
4) Simple Up degree of support reports and bills.
5) Decrease reality Intricacy • Better execution for notice,correspondence between individuals with security.
6) Effectively reasonableApplication for individuals,administrator, and furthermore for engineers
7) Usable by non-specialized clients without any pro

IV. EXISTING SYSTEM

In current circumstances, lodging society the executive'sspecialists utilize a conventional method of correspondence that incorporate anormal notification boad framework worked by mindful society part. A significant number of social orders likewise have begun utilizing robotized visit frameworks which are certainly helpful up to a specific degree however, neglects to fill the need. Here are some fundamental drawbacks of these techniques:

A. *Notification Board Framework*

1) *Inaccessible Data:* Notice board is a framework that is one of the numerous sortsof a framework having a notifier and Society individuals included. A large number of times it happens that an administrator or notifier neglects to refresh the notice board or society individuals disregard to follow the notification board. It brings about an absence of correspondence.
2) *Absence of Legitimacy and Unwavering Quality:* A notice board can be worked physically it very well may be manually written or printed design. Overall practice tends tobe effectively changed or lost and may prompt wrong translation. Additionally, it tends to be impacted by any unauthentic information also.

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3) *Tedious Action:* One needs to assume entire liability to work and keep up with the notification board. It makes constancy with an explicit individual. Now and again the individual needs to think twice about his own time plan for these normal exercises. [2] Before we move towards the framework proposed in this undertaking we should know about the present situations to recognize the issues and to convey proper arrangement likewise. As of now many lodging social orders are following the conventional method for conveying sees and illuminating inhabitants about gatherings furthermore, to contact higher experts if there should be an occurrence of any grumblings however it is tedious and not so solid. However numerous social orders have begun utilizing electronic methods for correspondence such as mechanized visit frameworks yet due to ailing in devoted reason usefulness they are not appropriateafter a specific degree. Here are some lackings of current frameworks for correspondence in lodging social orders. A. Inaccessible Data: In the event of notice board administrator needs to post a notice on board yet regardless of whether he assumes his part productively, data becomes inaccessible if lost and overlooked by society individuals or on the off chance that if administrator neglects to refresh if there should arise an occurrence of any changes. What's more, even the administrator stays ignorant regarding whether notice is reached to everybody as an affirmation of inhabitants is absent in this case B. Confusion if there should be occurrence ofcontrol: Other than this, data can be without any problem controlled causing incorrectly translation and neglects to address the issue of dependable method of data move. C. Constancy on Administrator: It makes constancy on administrator as he needs to e care of the multitude of things being a mindful individual and tedious Computerizedframeworks are additionally utilized nowadays no question they are a successful method for data move and one can reach to another individual effectively through such frameworks however due to deficient climate explicitly for the reason referenced in this venture superfluous data sharing can occur which thusly can overwhelm thefundamental substance. [1]g

V. PROPOSED SYSTEM

The proposed system is completely automated in nature. It'sa must have app for anyone staying in the apartment complex to come together as a community. The aim of this app is to automate various operations of the society. It offers a platform for apartment owners, maintenance officer and residents to connect with one another. It definitely reduces the human efforts and errors to increase crystal clear transparency between society members and management. It is very much reliable way of communication irrespective of time and location. One can remain connected with society members 24×7. Also itsaves time, paper work, human efforts and offers reliability.

VI. ADVANTAGES OF PROPOSED SYSTEM

1) Easy & effective communication between societymembers, flat owners & administrators.
2) Easy booking & management of society facilities liketennis court, squash court, community hall etc.
3) Make your voice or complaint heard through onlineHelp desk and reach out to society admin directly.
4) Get all the society related important notices & communication on email, SMS & app notifications.
5) Use online polling booth for important decision making byenhanced members participation.
6) All notification like new notices, pending payments, polls,and expired apartment documentsare delivered right on themain page to take necessary actions.
7) Members will also receive emails of important societynotices
8) Members can raise complaints, give suggestions to the management committee related to their apartment and trackthe status of its progress. Members can attach pictures anddocuments to the ticket.
9) Manage your apartment visitors with easy to use, clean and automated interface within the App. It is a Digital solution for Visitors Management and replaces the conventional Visitor Entry book. It is extremely configurable and catersvery well to the needs of Society and Apartments complexes.

A. *Functional Requirements*

It defines the functionality of the software and theconstraints on it. Functional requirements describethe features, functioning, and usage of a product/system/software from the perspective of the product and its user. The document will not only define the product functions, user characteristics and constraints but also serve as a basis for software design document.

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VII. MODULES OF THE PROJECT

A. Admin

1) Login
2) Add Apartment details
3) Add Member Details
4) Post upcoming apartment building details
5) Discussion forums
6) Add residents
7) Add flat details
8) View and post results of elections/polls
9) Post Events
10) View feedback
11) View and update status of complaints

B. Resident

1) Login
2) View vacant flat details
3) View Society Details
4) View Events
5) Give feedback
6) Post and track status of complaints

C. Requirment

1) Software Requirements

Operating System	Windows 7 or higher
Languages Used	Java, XML, C#
Development Environment (IDE)	Android Studio
Database	Ms Sql Server

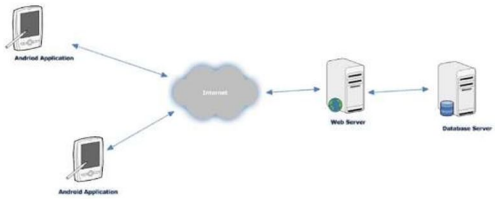
2) Hardware Requirements

Hard disk	Minimum of 40GB
RAM	4 GB or higher
Device	Android mobile

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VIII. SYSTEM ARCHITECTURE

A system architecture or systems architecture is the conceptual model that defines the structure,behavior, and more views of a system. An architecture description is a formal description and representation of a system, organizedin a way that supports reasoning about the structures and behaviors of the system.



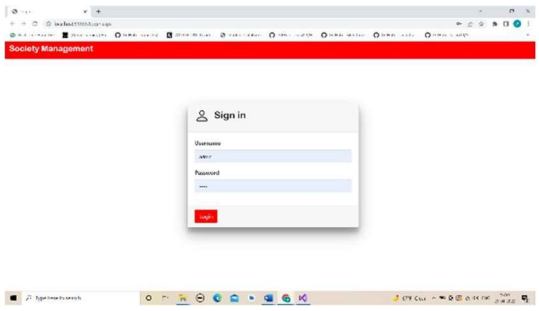
Architecture Diagram

Figure 1 shows the general system architectureof the application wherein the the user and the admin interact with the web server which fetches the data from the database. In thesedays, Android is getting popularity among people by providing smarter way of communication. Considering Indian economy, Android serves as an affordable technology forevery other citizen to buy. Powerful and distributive working of mobile devices has an evolutionary effect on mobile computing. In this context android application provides aneffective means of communication in a smarterway. Owing to the features of android such as open source, Customizable user interface.

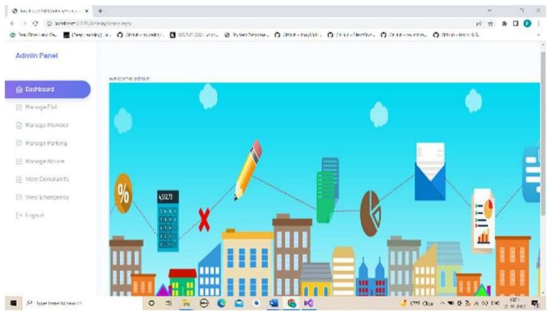
This project can play a vital role in providing solution for tasks of residential societies that are "critical to handle manually", by reducing efforts and advancements in a reliable communication. This application entirely works as a notifier that notifies about meetings, notices to the residents and about the complaints to the admin. Thus this application can provide a smarter and efficient way of communication between society residents and higher authorities. It's having a generalized system architecture where the admin has all theauthorities such as to notices, meetings etc.

Which will be stored in the database throughwhich the user can absorb this details.

IX. RESULT

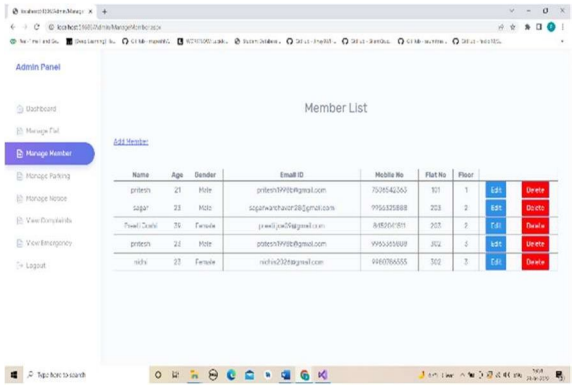


Login Page For Admin

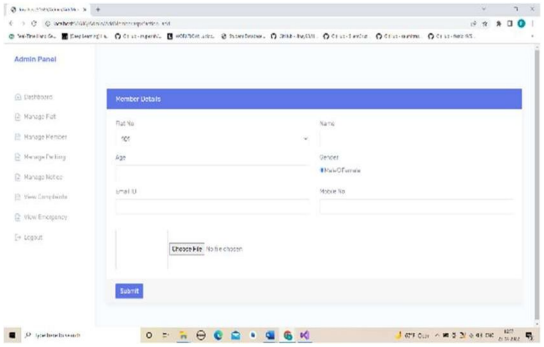


Welcome Admin

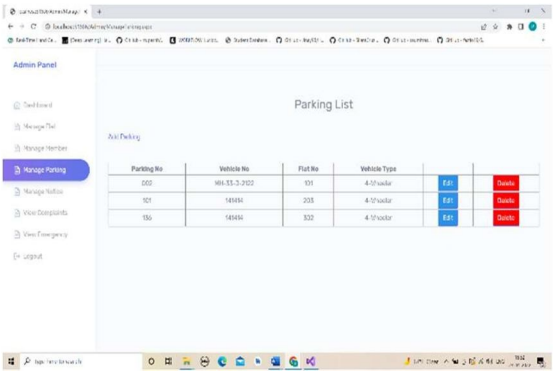
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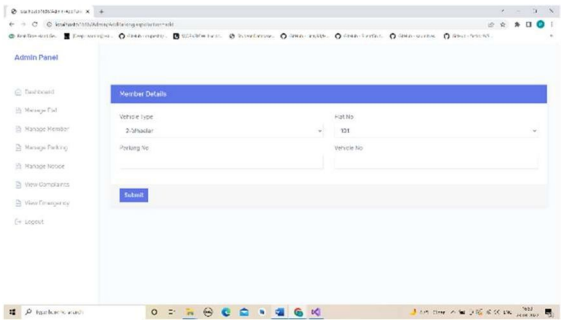
Member List



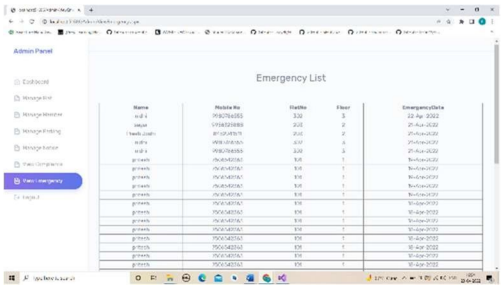
Add New Member



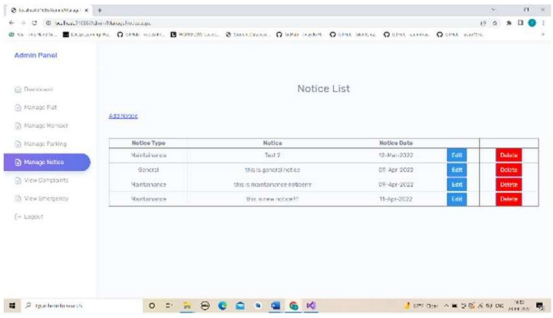
Parking List



Add New Vehicle

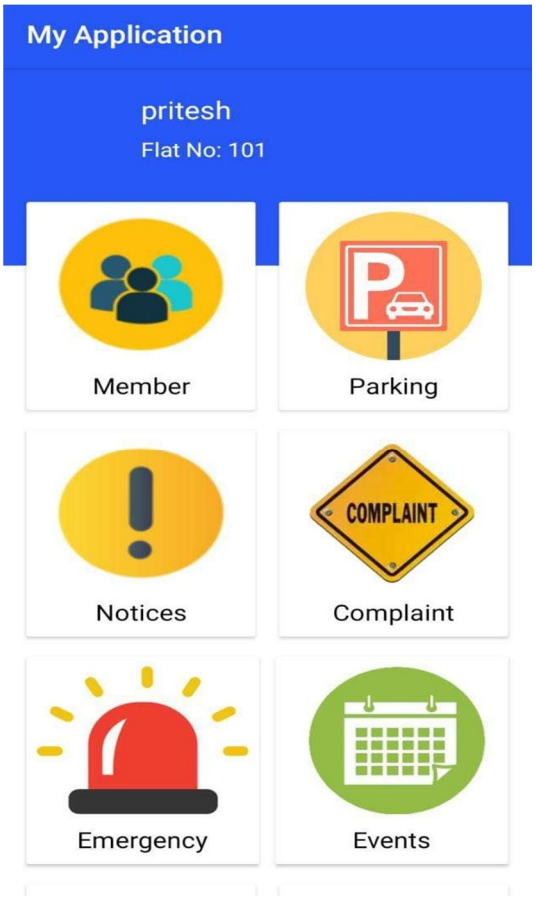


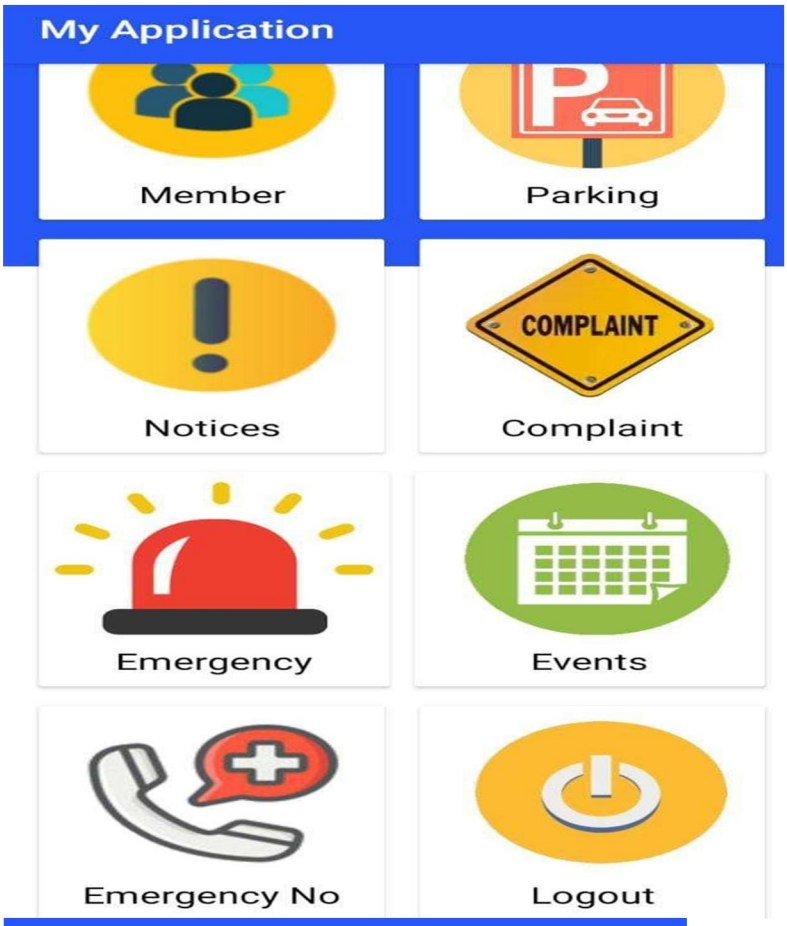
Emergency List

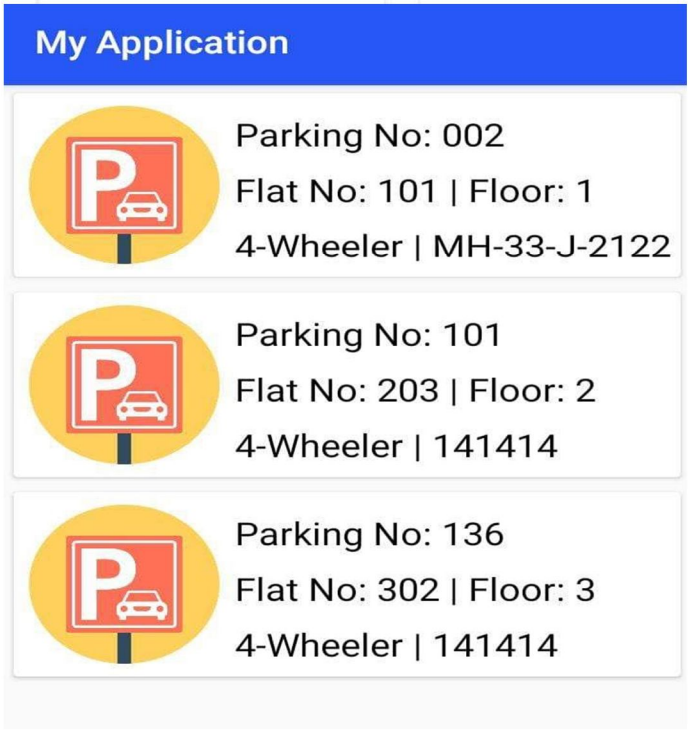


Member Login

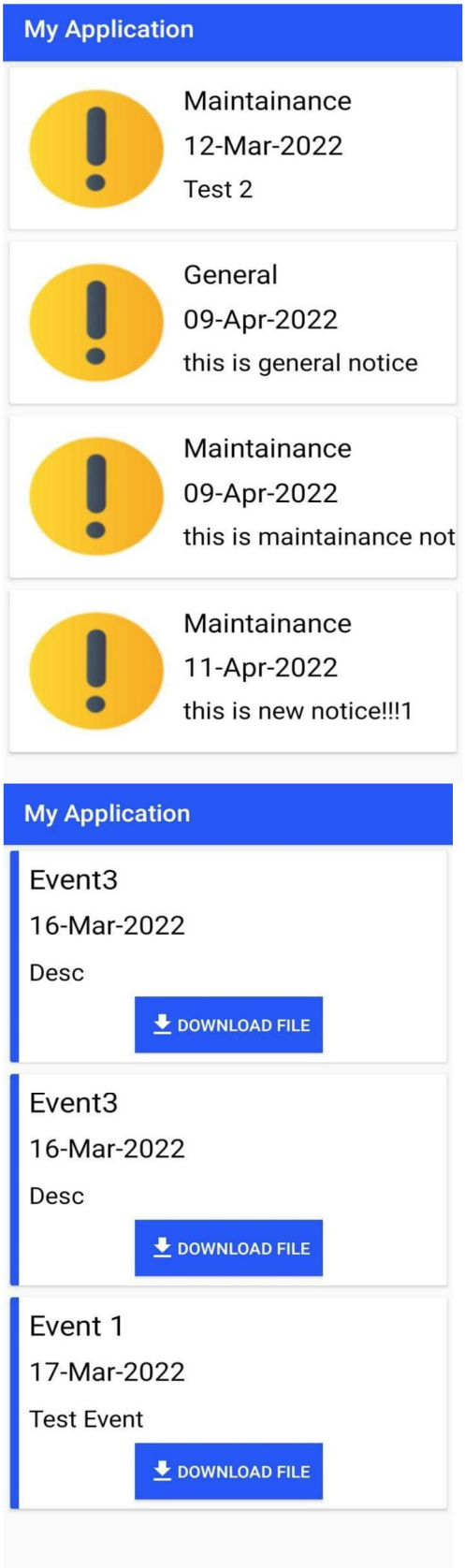
Member Login In Android Application

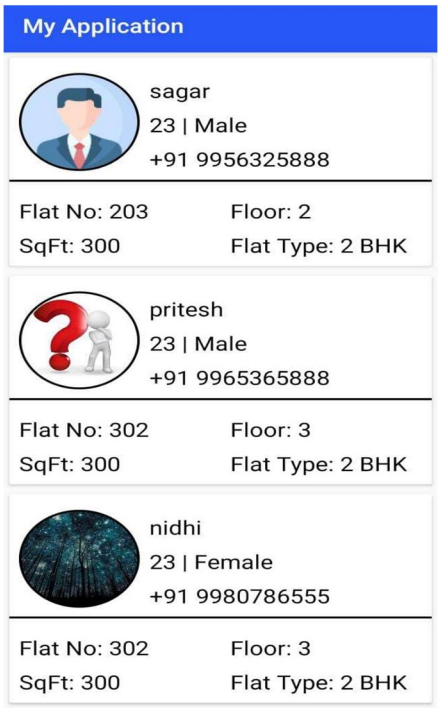






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My Application
Maintainance
12-Mar-2022
Test 2
General
09-Apr-2022
this is general notice
Maintainance
09-Apr-2022
this is maintainance not
Maintainance
11-Apr-2022
this is new notice!!!1
My Application
Event3
16-Mar-2022
Desc
DOWNLOAD FILE
Event3
16-Mar-2022
Desc
DOWNLOAD FILE
Event 1
17-Mar-2022
Test Event
DOWNLOAD FILE



Member login screen here member can update their profile manitance list new event detail and complent boxemergency contact number parking list

Member can see theair parking allocatiobn or parking areaWith vehicle number

Also member can make the complete for various problem like piple issue or light problem and member can send the emergency alarm

X. ACKNOWLEDGEMENTS

The making of this BE project required a lot of co-operation and guidance from a number of people. We, therefore, consider it a prime duty to thank all those who helped us in this venture. We are immensely thankful to our guide Ms.Samidha Vengurlekar as our Guide for providing us proper guidance and positive feedback during the preparation of our project. We are also thankful to all other staff members of the Computer Department for their valuable insights and co-operation. We would also like to thank Dr. Prashant Deshmukh (Principal), for his kind cooperation, guidance and for providing necessary facilities during working on this report. We express our sincere thanks to Dr. Sanjay Sharma (Head of Computer Department) for his support and coordination. Last but not least, we are thankful to our friends for their encouragementand suggestions which helped us to enhance our BE project. We are also thankful to our parents for their constant supportand best wishes.

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[2] International Journal of Science & Technology ISSN (online): 2250-141X www.ijst.co.in Vol. 6 Issue 2, April 2016 © COPYRIGHT - IJST 6 IMPLEMENTATION OF SOCIETY MANAGEMENT SYSTEM: SOCIETALES Rutuja Vatharkar Pratiksha Patil Computer Engineering, SPPU Computer Engineering, SPPU Swati Sonar Prof.Shivganga Gavhane Computer Engineering, SPPU Asst. Prof Computer Engineering, DYPIEMR

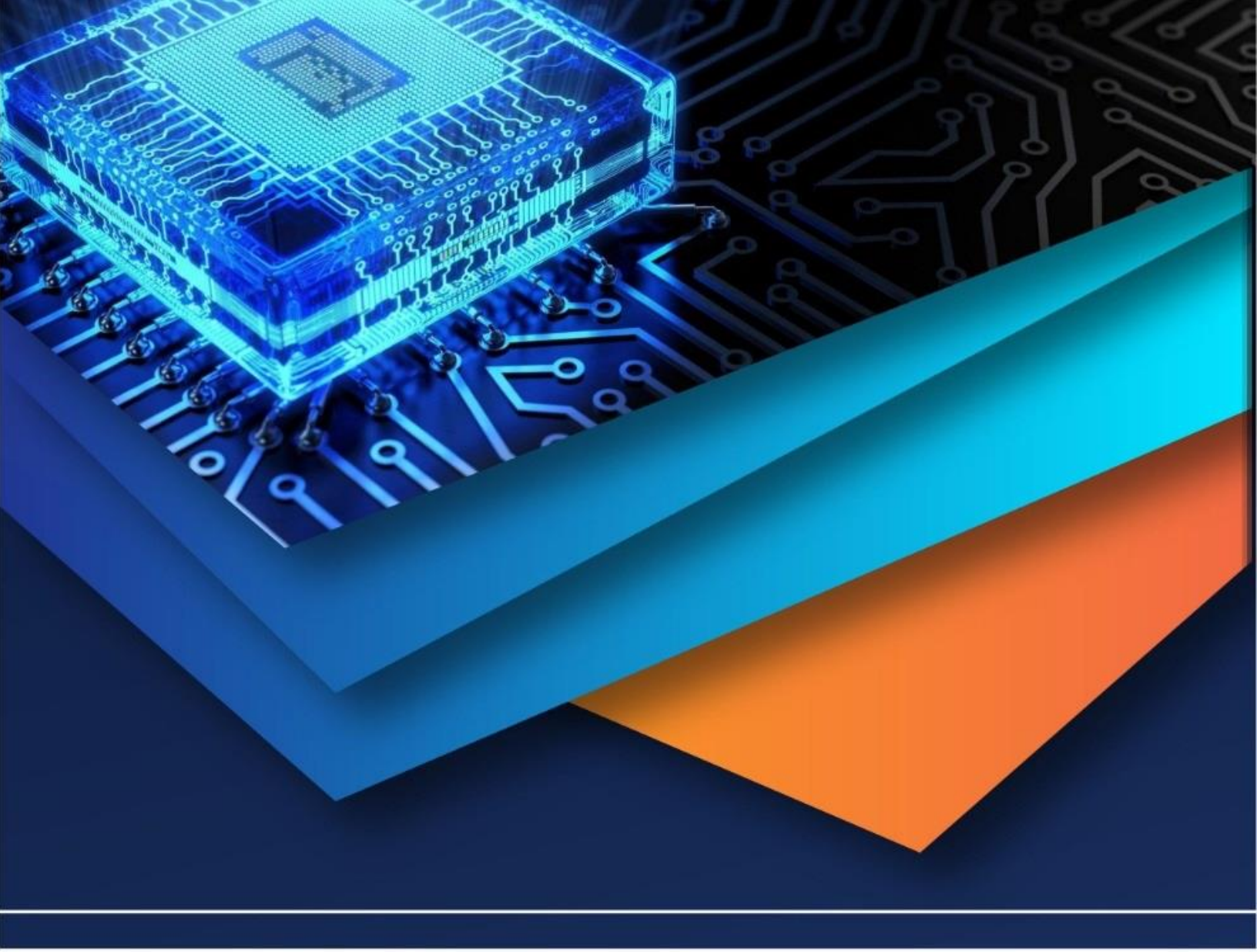
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