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An Android Application for Home Interior Design

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Abstract— According to the problems existing in interior design and architectural design, an application is absolutely necessary when running an interior design business. Without one, you could be losing clients. So, in future if one wish to renovate his/her home/office then they can simply visit our app and can compare and choose any of the listed personnel as per their convenience. A smart application tells clients that you're professional because you are paying attention to each-and-everything in detail.

In this app, we will propose a renovation system which mainly focuses on interior design. To satisfy the customer's requirements we have also included much more other services. We will implement the type selection function based on as per your site (i.e., home/office). Not only user will get an innovative idea about site's interior design but also, he'll come to know about furniture placement, electrician, etc. These functions are operated on single click. This will provide a better view of interior designing for users to save their time & efforts and yes, of course money also!

Keywords— Interior designing, categories, personnel, renovation, etc.

I. INTRODUCTION

Interior design is the process of shaping the experience of interior space, through the manipulation of spatial volume as well as surface treatment. Not to be confused with interior decoration, interior design draws on aspects of environmental psychology, architecture, product design and furniture design in addition to traditional decoration [1],[2].

An interior designer is a person who is considered a professional in the field of interior design or one who designs interiors as part of their job. Interior design is a creative practice that analyzes programmatic information, establishes a conceptual direction, refines the design direction, and produces graphic communication and construction documents. In general, the interior of something refers to the space or part inside of it, excluding any kind of wall or boundary around its outside. It has different, more specific definitions in different contexts. There is a distinct difference between interior decorating and interior design. Interior decorating is generally focused on the interior items of a space, such as furniture, accessories, finishes, and layout. Interior design, on the other hand, involves manipulating the architectural integrity of the interior space. Interior design concerns itself with more than just the visual or ambient enhancement of an interior space, it seeks to optimize and harmonize the uses to which the interior environment will be put.

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II. LITERATURE REVIEW

Interiors research since 1966 is reviewed. Interior research is defined as data-based research applicable to the field of interior design. The only publications considered are those currently applicable and appropriate for the design professions: interior design and architecture. A discussion of applicability of design research is presented first. Then, an organization is developed to include basic knowledge, the design process (people, places and process) and analysis. Next, the important contributions of research are presented according to the organization that had been developed. Finally, conclusions and recommendations are made.[3]

Few publications have provided the data-based designers. information needed bv significant contribution is The Challenge of Interior Design by Walter Kleeman. This 1981 publication represents research contributions from 30 disciplines (and sub disciplines). [4,5]. The text looks at general problems in interior design such as: legality of quality interiors, differences in various population groups, elements of design and health, seating, desk design and non-verbal communication. Also, Kleeman addresses certain facilities such as: elderly spaces, mental health facilities, residences, offices, learning spaces and outer space [6,7].

III. METHODOLOGY

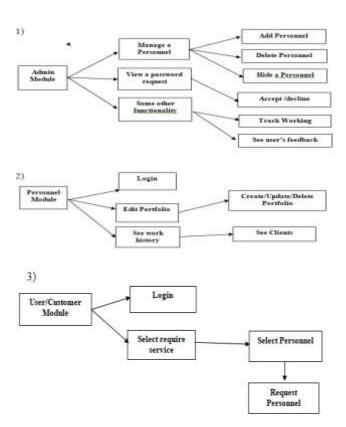


Fig. 1. System architecture of interior decoration

The above figure illustrates the system architecture of Interior decoration app for renovation using Android. The proposed android application requires internet connection and will provide a solution to the customer's renovation related problems. Our system is android based, the user interface of our system is going to be simple and user-friendly. We are looking and expecting to update the same which will add up to efficiency and utility of the system. The customer and personnel perform operations like Registration

and Login onto our system. The personnel can also put-up various people's reviews regarding his work and can view all customer requests. Our app can provide that specified personnel contact information and his/her shop/showroom's location too. The customer can also give the feedback after seeking our services.

IV. CONCLUSION

Interior design research is beginning to make a mark on the design professions of interior design and architecture. Applicability to professional practice, validity and reliability of the data-base research are equal in importance. Academic contributions can be categorized in the following areas: basic knowledge, the design process (guidelines and designs and analysis. Often published literatures will extend into more than one of the categories of people, places, and process.

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