

E-Property Management System

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Abstract- The software technology can be used as an inventory system to provide a frame work that enables the managers to make reasonable transactions made within a limited time frame. Each transaction made on the system go hand in hand with the data being updated in the database in our case it is Microsoft Access 2007 which is the back end. In this paper we have developed a sell the property like land, house. This android application gives the functionality for seller, allowing them to post the houses, land, commercial main by features of this project is show nearest location, property type and same property or area lowest range are show by using filter. It further provides functionality for the seller, authorize them to log into the system and add new advertisements or delete existing ones. For this each user is provided a login account with login ID and password.

Index terms- Construction Cost Comparison, Data Mining, Construction Enterprises, Financial Analysis, Real Estate Modelling

I. INTRODUCTION

E-property management system has become important factor in modern society hence the need to have E-property management system. Housing has a central importance to quality of life with considerable economic, social, cultural and personal significance. Though a country's national prosperity is usually measured in economic terms, increasing wealth is of diminished value unless all can share its benefits and if the growing wealth is not used to redress growing social deficiencies, one of which is housing, Land, Commercial space. In that project we use filter to sort the low cost or affordable property are seen first. Property plays a huge role in revitalizing investment in any country, with shelter being among key indicators of development. The universal declaration of human rights gives one of the basic human rights as the right to a decent standard of living, central to which is the access to adequate housing. Provides a Sell portal for users to browse through various apartment complexes and buyer can see property

based on filter show comparison chart. The focus of this research paper is basically managing property for low income, medium and high incomes of land, house or what is commonly known as affordable housing, Land, and commercial space.

II. LITERATURE SURVEY

In 2011, Ji Yingbo, Xu Bing introduced the analysis on the Core Competitiveness of Construction Enterprises based on the Industrial Housing Construction, by using the skilled worker and engineers, consuming fewer resources and energy, making fewer pollution, So in this system we can get many advantages for industrial building as quality efficiency, cost effective, technology benefits and social benefits to develop the green building or strengthen buildings.

In 2014, Yahong Li from the University of Hong-Kong introduced the intellectual property protection for E-Business Methods(BMs) like internet search methods, internet server access control and monitoring system, electronic shopping carts by using the patenting Business Methods. In this system we can protect our Business Method being stolen by others Competitor.

In 2015, Nazul Azam Haron, Hassim Salihuddin introduced building cost comparison system and also introduced the industrialised building system, framework system and building cost comparison. In this system we can compare standfard building with local modification, This conventional system is more cost saving as compared to other framework system.

In 2016, Ashish Sharma, Dinesh Bhuriya, Upendra Singh introduced the survey of stock market prediction using Machine Learning by using Market Prediction, Data Mining, Multiple Regression, Polynomial Regression and Linear Regression. In this system we can say that stock and country growth is tightly bounded with performance of stock market,

So this system helps the stock brokers and investors for investing money in the stock market.

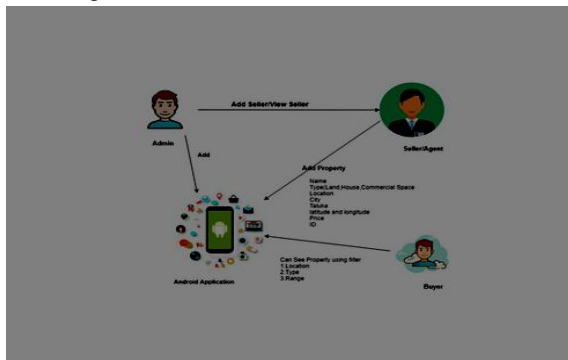
In 2017, Susan George, Manoj Changat introduced stock market data mining and portfolio analysis by using stock market network, Market graphs, Financial network, Portfolio analysis, Network analysis, Lobby index, Stock market dynamics. This system is used for various component and can be effectively used for stock market and mining and also this system creates stock market network of stocks by capturing its dynamics over the period of one year.

In 2018, Mohd Syazwan, Md Rahim, Nuzal Azam Haron introduced the construction cost comparison between the conventional framework system by using cost, speed, labour and quality. This system is more convenient for all contractors and used to decrease the cost, This system can adapt all types of design of buildings.

During a literature survey, we collected some of the information about Stock market prediction mechanisms currently being used. 1.Survey of Stock Market Prediction Using Machine Learning Approach The stock market prediction has become an increasingly important issue in the present time. One of the methods employed is technical analysis, but such methods do not always yield accurate results. So it is important to develop methods for a more accurate prediction. Generally, investments are made using predictions that are obtained from the stock price after considering all the factors that might affect it. The technique that was employed in this instance was a regression. Since financial stock marks generate enormous amounts of data at any given time a great volume of data needs to undergo analysis before a prediction can be made. Each of the techniques listed under regression has its own advantages and limitations over its other

counterparts. One of the noteworthy techniques that were mentioned was linear regression. The way linear regression models work is that they are often fitted using the least squares approach, but they may alternatively be also be fitted in other ways, such as by diminishing the "lack of fit" in some SITRC, Department of Computer Engineering 2019 9 other norm, or by diminishing a handicapped version of the least squares loss function. Conversely, the least squares approach can be utilized to fit nonlinear models. [1] 2.Impact of Financial Ratios and Technical Analysis on Stock Price Prediction Using Random Forests The use of machine learning and artificial intelligence techniques to predict the prices of the stock is an increasing trend. More and more researchers invest their time every day in coming up with ways to arrive at techniques that can further improve the accuracy of the stock prediction model. Due to the vast number of options available, there can be n number of ways on how to predict the price of the stock, but all methods don't work the same way. The output varies for each technique even if the same data set is being applied. In the cited paper the stock price prediction has been carried out by using the random forest algorithm is being used to predict the price of the stock using financial ratios from the previous quarter. This is just one way of looking at the problem by approaching it using a predictive model, using the random forest to predict the future price of the stock from historical data. However, there are always other factors that influence the price of the stock, such as sentiments of the investor, public opinion about the company, news from various outlets, and even events that cause the entire stock market to fluctuate. By using the financial ratio along with a model that can effectively analyze sentiments the accuracy of the stock price prediction model can be increased. [2] 3.Stock Market Prediction via Multi-Source Multiple Instance Learning Accurately predicting the stock market is a challenging task, but the modern web has proved to be a very useful tool in making this task easier.

Due to the interconnected format of data, it is easy to extract certain sentiments thus making it easier to establish relationships between various variable and roughly scope out a pattern of investment. Investment pattern from various firms show sign of similarity, and the key to successfully predicting the stock market is to exploit these same consistencies between



the data sets. The way stock market information can be predicted successfully is by using more than just technical historical data, and using other methods like the use of sentiment analyser to derive an important connection between people's emotions and how they are influenced SITRC, Department of Computer Engineering 2019 10 by investment in specific stocks. One more important segment of the prediction process was the extraction of important events from web news to see how it affected stock prices.

III. OBJECTIVES

This system will help people to identify the best seller or agent adds their property.

Our purpose is that the property buyer can see the best property in low cost for that we used filter and comparison technique like low to high.

To identify the satisfaction of house owners in construction system.

To identify the differences toward overall quality across year of existence of selected housing areas.

IV. MOVTVATION

The user may not be able to visit or call the leasing office every time when an issue arises and at times it will be hard for the user to even clearly communicate the problem. Maintaining a record of issues from tenants is also a tedious process for the Landlord. Since most users use mobile phones now-a-days, an app is developed which makes this process simple by allowing the tenant to report the problem through the app. The app requires the tenant to fill out the form, take a picture and send it to the landlord. All the issues are stored in a database which can be viewed by the landlord through the app. The landlord will receive the issue in a well-documented form, which gives landlord a perspective on how to deal with the problem. In this way, Rental property management helps both tenant and landlord to build a better relationship by resolving issues swiftly.

V. PROPOSED SYSTEM

Our proposed system give all the features provided by the traditional existing systems, but instead of working only with no spatial database, the system also works with spatial data. The system will have

the following prominent features:- Specification based searching: This feature provides the related information to the users according to the specification they have provided to the website. For e.g., if a user is looking for a house with 1bhk at 9 lakhs, then only those properties which satisfy the aforementioned demand will be returned to the user. if a user is looking for a Land or commercial 10 lakhs, then only those properties which satisfy the aforementioned demand will be returned to the user.

VI. HARDWARE INTERFACE

- System: - Windows 7 and Upgrade version/Linux
- RAM: - 4 GB
- Hard Disk: - 500 GB
- CPU Speed: - 2 GHz

VII. SOFTWARE INTERFACE

- Operating System: Windows / Linux / CentOS.
- Programming Language: - Java
- IDE: - Eclipse

VIII. ALGORITHM

The software will have to be part of collage local area network to access the central database

Mathematical Model

$S = \{I, O, F, DD, NDD, \text{Success}, \text{Failure}\}$

>I Input to the system

$I = \{\text{Username}, \text{Password}, \text{seller details}, \text{buyer details}, \text{property details}\}$

>O output of system

$O = \{\text{View property details}, \text{View seller}, \text{View buyer}\}$

>F Set of functions

$F = \{F1, F2, F3, F4, F5, F6, F7, F8, F9\}$

F1: Register F2: Login

F3: Add seller/ F4: Add buyer

F5: Add property details F6: View seller

F7: View buyer

F8: view property details

F9: compare property with cost. DD= {Null}

NDD=Non Deterministic Data

NDD {Username, Password, seller details, buyer details, property details, View property details, View seller, View buyer }

Success {All functionality working successfully}

VIII. CONCLUSIONS

In this paper we highlighted the need for E-property Management System. Due to population growth and metropolitan migration the age old paper based techniques need to be replaced by modern computerized applications. Provides a Sell portal for users to browse through various apartment complexes and buyer can see property based on filter show comparison chart.

Process of rental housing Appraisers: XML, Intelligent Agents, Avms, And Web Service.

REFERENCE

- [1] S. Erguden, Low cost housing policies and constraints in developing countries, International conference on spatial development for sustainable development, Nairobi (2001).
- [2] United Nations, The Bill of Human Rights (1948).
- [3] D. Seedhouse, Foundation for Health Achievement, Health Policy, vol. 7, issue, 3 (1986).
- [4] Emil JanulewiczMcGill , Liu (Dave) LiuMcGill "Chinese rental housing company website to information analysis" Feb (2009).
- [5] Jia Sheng , Ying Zhou, Shuqun Li "Analysis of rental housing paper Market Localization"2nd International Conference on Education, Management and Social Science (ICEMSS 2014).
- [6] Lv jianliang1, iangying , "The Research on E-commerce Applied in rental housing Enterprises"2012 International Conference on Innovation and Information Management vol 36 (ICIIM 2012).
- [7] M. Kiruthika ,Smita Dange, Swati Kinhekar, 4Girish B Trupti G, Sushant R.rental housing APPLICATION USING SPATIAL DATABASE Nov (2012).
- [8] Mingyuan Yu , Donghui Yu, Lei Ye, Xiwei Liu," Visualization Method Based on Cloud Computing for rental housing Information" The Fourth International Conferences on Advanced Service Computing SERVICE COMPUTATION (2012).
- [9] Nissan PowMcGill "The preliminary planning of rental housing development enterprise paper" JUNE (2011).
- [10] Timothy H. Greer, Mirza B. Murtaza Technologies to Improve the Decision-Making