Online Consultancy for Integrated Software Hardware and Human Resource

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Abstract— In recent days, all the real world tasks are integrated into automatic operations and require less manpower. Likewise, in online system management websites such as job posting and consulting services are the good examples. The main objectives of the proposed system are to reduce the human work, reduce the maintenance time, and to make the system more user friendly, efficient, more accurate and fast processing. This paper mainly focuses on the satisfaction of the user who are the job seekers, whose complete details are gathered during their registration phase. Once they are registered they are notified with the new job vacancy. The job notification has the profile of the company along with the details such as number of vacancy, preferred candidates, required experience and salary specification. These help the jobseekers to look for a relevant job. The second phase includes the hardware and software selling. The registered buyers can login to view the hardware available in the site to buy and can place the order. The software products can make a sale through this site. The registered buyers can also send request to the administrator of the site to add new products to the site which are currently unavailable. The suggestions sent by the buyers are viewed by the administrator and necessary response is made by the administrator. These process were made with the help of PHP coding and MYSQL database.

Key words: Database, System Management, Consultancy, Integration, Job Notification

I. INTRODUCTION

Computers have become an essential part of organizational information processing because of the power of technology and the volume of data to be processed. Through the technology, the manual process, defects and time consumption can be reduced. That’s in all the area of business, computer technology are widely been implemented. Hence the inception of computers had a great role in reducing large tasks to simpler one.

This research helps the users to find different jobs, hardware, software their features, and new updates easily. It is designed such a way that one can view all the updates of the job and hardware/software products from any place through online. The project will help in easy maintaining and updating products in the website for the administrator. This system will reduce the manual operation required to maintain all the records of purchase information. And also generates the various reports for analysis. The rental system is also called as outsourcing.

Two organizations may enter into a contractual agreement involving an exchange of services and payments. Outsourcing is said to help firms to perform well in their core competencies and mitigate shortage of skill or expertise in the areas where they want to outsource. Companies primarily outsource to reduce certain costs such as peripheral or “non-core” business expenses, high taxes, high energy costs, excessive government regulation/mandates, production and/or labor costs.

Outsourcing is an arrangement in which one company provides services for another company that could also be or usually have been provided in-house. Outsourcing is a trend that is becoming more common in information technology and other industries for services that have usually been regarded as intrinsic to managing a business. In some cases, the entire information management of a company is outsourced, including planning and business analysis as well as the installation, management, and servicing of the network and workstations. A consulting firm is a firm of one or more experts (consultants) that provides professional advice to an individual or an organization for a fee. The primary purpose of a consulting firm is to provide access to industry-specific specialists/consultants and subject-matter expert.

The main objectives of the proposed system are to reduce the human work, reduce the maintenance time, and to make the system more user friendly, efficient, more accurate and fast processing.

II. STUDY ON EXISTING SYSTEM

In the existing system whenever a new update is made, the user is mostly unaware of the updates unless he visits the consultancy in person. The new updates are not known immediately to the users. In the existing system whenever a new update is made, the user is mostly unaware of the updates unless he visits the consultancy in person. The new updates are not known immediately to the users. Some limitations of existing system are listed below:

− There is a chance of misusing the systems by frauds
− Difficult to Store the large amount of data.
− Loss of data while handling large data

III. PROPOSED SYSTEM

The main objectives of the proposed system are to reduce the maintenance time, and to make the system more user friendly, efficient, more accurate and fast processing.

A. Strategies

The project mainly focuses to reduce the time consumption in the existing system. The project makes the user to be updated anytime in spite of the location of the user provided there is internet facility. The previous records of the job can easily viewed by the user as well as the administrator. The project is cost effective as there is only less maintenance cost and it requires only less man power to administer the site. The system is also fully secured wherein only registered users can view the information. There is only very few chances of error occurrence. From the figure 3, it is noticed that it contains two
module namely, Admin module and user module. In admin module, the hardware and software information block contains the hardware and software specification, rental charges, availability can be added to the site and it be modified. Request from the buyers can also view in this module. Here the admin can update the hardware and software, which is available in the concern. In addition, they can provide total information about the products.

In user module, the registration process is considered. Several steps such as job seekers, buyers, job application and recruitment are considered. The registration module collects the jobseekers information like personal information, educational qualification and their area of interest. Once all the information is collected, it generates a unique identification number for each user and saves the details in database.

Buyers provide their personal information here to get their registration id once their registration is completed. This module enables registered job seekers to view the new notification of job recruitment and the complete company profile. The company, which was recruiting for jobs, must give the full information about the job and experience level that they needed.

If any organization needs employees they then request or post an advertisement here so that an job seekers can get an opportunity, for this process the organization should need to pay some amount of money.

Finally, the hardware and software-book ing unit is considered. It contains software and hardware products specification, their rental charges, availability can be viewed in this module. This also allows buyers to send request to the admin for new products, which is previously unavailable. They can view the products available in the company. The requirements should be based on it. At last the job seekers or any organization should pay a demanded amount for the process done. The billing is based on the utilization of the resources in the organization. It includes the job seekers, they must pay an amount of premium based upon their requirements.

IV. OUTPUT DESIGN

Outputs from computer systems are required primarily to communicate the results of processing to users. They also used to provide a permanent copy of the results for later consultation. The various types of outputs in general are:

- External Outputs whose destination is outside the organization.
- Internal Outputs whose destination is within organization and they are the User’s main interface with the computer.
- Operational outputs whose use is purely within the computer department.
- Interface outputs involve the user who communicates directly with the system.

A. Output Definition

The outputs should be defined in terms of the following points:

- Type of the output
- Content of the output
- Format of the output
- Location of the output
- Frequency of the output
- Volume of the output
B. Output Media

In the next stage it is to be decided that which medium is the most appropriate for the output. The main considerations when deciding about the output media are:

- Suitability of the device to particular application.
- The need for a hard copy.
- The response time required.
- The location of the users.
- Software and hardware availability.

The outputs were needed to be generated as a hard copy and as well as queries to be viewed on the screen. Keeping in view these outputs, the format for the output is taken from the outputs, which are currently being obtained after manual processing. The standard printer is to be used as output media for hard copies.

V. SYSTEM IMPLEMENTATION AND MAINTENANCE

System implementation is the important stage of project when the theoretical design is tunes into practical system. The main stages in the implementation are Planning, Training, System testing and Changeover planning. Planning is the first task in the system implementation. Planning is deciding on the method and the time scale to be adapted. At the time of implementation of any system people from different departments and system analysis involve.

As shown in the figure 4, the initial page is created; it displays the separate login for company login and job seekers login. Figure 5 discussed about the online consultancy page to indicate all the specifications. Finally, the hardware/software rental cart is shown in the figure 6. They are confirmed to practical problem of controlling various activities of people outside their own data processing departments. The line manager controlled through an implementation co-ordinate committee. The committee consists of ideas, Problems and complaints of user department. It must also consider,

- The implementation of system environment.
- Self-selection and allocation for implementation tasks.
- Consultation with unions and resources available.

VI. CONCLUSION

This paper enables the users to connect the services available in the consultancy to their development environment and to the infrastructure in which they are deployed, supporting the services full life cycle. The project is a combination of a job portal and the rental-shopping cart for hardware and software devices. It has several advantages like manpower reduction, cost minimization and improves the business.

VII. FUTURE ENHANCEMENT

In terms of future scope, researchers to simplify customer perceptions and attitude can use a variety of data mining techniques. The entire process made through online in future such as payment, delivery of requested products. In addition the travelling site can be concatenated for users who wish to attend the interview or online video interview method can be added to this project.

REFERENCES


