THE INNOVATION EVALUATION OF QUALITY MANAGEMENT SYSTEM IN CUSTOMIZED CLOUD COMPUTING ENVIRONMENT WITH EDGE BASED AUTHENTICATION

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Abstract

The requirements for information support resonate with the requirements for information passing through this arrangement. In particular, the usefulness of information for decision-making, especially in a quality management system, is better placed on their foundation. Along with these express requirements and the requirements that are included in the documentation for system quality management, the requirements such as information, input and reliability, conformity, suitability, risks must be considered. Information about sustainability and quality should be accessible and understandable to its users. If necessary, it cannot avoid the presentation of sufficiently complex information. In quality management of a preventive-permanent nature, it should be understood in terms of the materiality of the subject of information by allowing timely decisions to be made. The content of the content is disclaimed by rights only at the corpse and in time. For example, information may be recognized as important if it does not have a significant impact on decision-making in quality management decisions.

Keywords:

Information, Passing, Support, Decision-Making, Quality Management, Documentation

1. INTRODUCTION

The introduction of information technologies in the modern office takes place at several levels like fax, public telephone space, computerization, computers and printers, corporate e-mail and computers connected to a local network with centralized Internet access [1]. At this level, many modern offices do not stop and rise to the next step: introducing complex and expensive CRM and ERP solutions. Intranet - systems are an intermediate link between local network and higher level corporate systems [2]. Internet technology and TCP / IP networks form a network and information infrastructure of a corporate or campus (university) network [3]. A corporate network is a complex system that includes thousands of different types of components [4]: computers of various types, computer and application software, network adapters, hubs, switches and routers, cable systems [5]. The main task of computer integrators and managers is to duplicate this bulky and very expensive system as best as possible by processing information flows for circulation among the company's employees, and allow them to take timely and rational solutions to ensure their survival in a tough competitive company [6]. Because life does not stand still, the content of corporate information, the intensity of its streams, and the means of its processing are constantly changing [7]. Internet sites are only deleted branches (domestic) on the local network or as a port on the Internet, invisible to search engines and requiring authentication at the gateway [8]. Access to the portal's pages is carried out in a web browser, which allows people with minimal computer skills to use intranet services [9]. Information updating is carried out by responsible employees with the help of special interfaces, which are almost similar to working with office applications [10]. The processing, storage, access to information, a unified integrated work environment and a single document format. Such an approach gives employees the opportunity to use the accumulated corporate knowledge more effectively, respond to events immediately, and provide new opportunities to organize their business as a whole [11]. Internet systems distinguish a high level of customization and extensibility: you can choose from a set of ready-made custom solutions or create the necessary personal information from scratch [12].

As the company grows and reveals new tasks, you can expand the existing solution, reorganize the internal information structure and add new modules to it [13]. The computer has become an inexpensive and high-performance work tool. Faster, faster our world is coming to the ubiquitous use of PCs and information networks [14]. The purpose of the analysis part is to consider the current state of the subject area, the material, the telecommunication system and the sources of proposals for the elimination of identified deficiencies and new technologies. The objective of the final qualified work is to reduce the costs of maintaining the banking information system by increasing the efficiency of the system by increasing the efficiency of the customers [15]. The automation of this process allows to quickly correct connection errors to the server without going to the customer jobs and to reduce the number of calls to the operator point of the customer pig bank information system.

2. RELATED WORKS

Information sources in an information system. In terms of computer science, manufacturing is a continuous process that creates changes in the entire process of storage and dissemination of information [1]. A modern enterprise can be seen as an effective information center with sources of information for an external and internal business environment. The communication line is an indispensable part of every communication channel, according to which, from the transmitted point to the receiving point (in general, the channel can have several lines, but is part of several channels) [3]. LAN networks are networks intended for storage and data transmission and are a cable system of a building object or group of buildings. Lenses are used to solve problems like: data distribution [7]. In this regard, it is not necessary for each workstation to have drives for storing the same information; Distribution of resources. Peripherals are available to all LAN users. The result of this work is an approximate list and cost of network equipment required to create a modern local computer network of this system: network equipment and connecting cables will be required [11].

Created a web application, in Python, with the help of Django's free framework for web applications. Implementation of the Fourth and Fifth Divisions of the Technical Notes; Ability to download documents to the page to activate the user's main page [12]. An effective solution to increase the level of educational services provided, an effective solution supported by modern models of continuing education, is the creation and development of an information environment that integrates educational content, user services and network communication instructor's infrastructure [13]. Computing the network topology that connects the printer to the local network. Computer networks are basically distributed computers. Computer networks are called computing networks or data networks. It is a logical consequence of the evolution of the two most important scientific industrial sectors of modern civilization - computer and telecommunication technologies [14]. Communication equipment of computer network. A list of resources used to conclude the network creation cost calculation. Introduction Not too long ago, there was a difficult for the long distance job employer [15].

3. PROPOSED MODEL

Information support is a sub-system with sub-systems to provide such sub-systems as legal, logical, metric, personnel, organizational, technical and financial. Communications and the Internet are essential for successful work in any industry, business, transportation, education, or science. Internet information resources are a complete collection of information technologies and databases available to support these technologies and are in a constant updating mode. Therefore, information support is, first of all, organization. It is justified by the presence of stable connections between its elements, and meets the following requirements are shown in fig 1
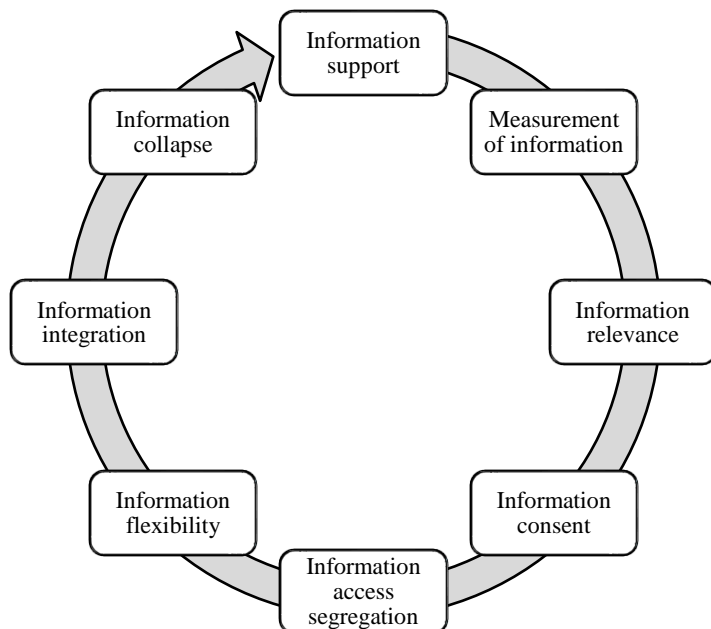

Fig.1. Proposed model

Telnet is one of the oldest information technology networks. It's in standards, which are a half-thousand recommended official network materials called RFCs (Request for Comments). In practice, Telnet is one of the widely used client software that allows not only access to information resources, but also works in remote terminal emulation mode. Creating a corporate computing network:

- Realizing the access of the specialties of various divisions of large enterprises to common corporate information resources;
- Task centralized management, administration and maintenance of information and communication resources;
- An integrated email system and electronic document management system;
- Effective protection of corporate information resources from unauthorized access;
- Integration of the corporate network of large companies with business systems of other companies, government agencies, accounting networks of financial and credit systems, participating in the exchange of information about the rights of subscribers of the telecommunications corporate system;
- Software extension, ensuring the construction of a corporate computer network, allows introducing new hardware resources, creating and improving the composition and quality of information and communication services without violating the normal operation of the network.

Unlike ERP systems, is much simpler to implement and – most importantly much cheaper. The deadline for the introduction of systems in the profession is usually no more than a month, and the implementation of the company refers to the maintenance and deepening of the existing business activities in the company, not their reorganization and reorganization. All useful standards for Internet-technologies are implemented within the framework of a very simple project: at the user's workplace, a web server acting as an information center, and a display program (browser) client and web server established on standards of communication between. Increase functionality and integration with other enterprise information systems. This property allows the company to create a subjective - to create the site through an evolutionary way and to create the computer as needed. It's hard to find a person who hasn't heard of Intranet, let alone the Internet. Often, the word "intranet" refers to a corporate network. Therefore, the statistics of small business, having heard the word "corporate", lose interest in this topic, and from such results they believe so far. In fact, for the word "Intranet" plays a better way to organize collective work than a specific technical solution. An intranet network is based on technology that works on the World Wide Web (hence and virtual name). As for the cost of creating an intranet, in most cases building their own network turns out to be less than any other option.

4. RESULTS AND DISCUSSION

The proposed edge based authentication (EBA) was compared with the existing Autonomous Quality Management System (AQMS), coupled school system (CSS), Quality Management System (QMS) and total quality management (TQM)

A one-time entry should be understood by introducing only quality management information to the data bank, followed by reusable use, reducing its ambiguity by reducing its ambiguity (with continuous introduction of information). Reliability

information states that there are no serious (significant) errors. At the same time, truly, completely, impartially (neutrally) assessed (probable) and actual (valid) product quality and should reflect the situation of all quality management processes.
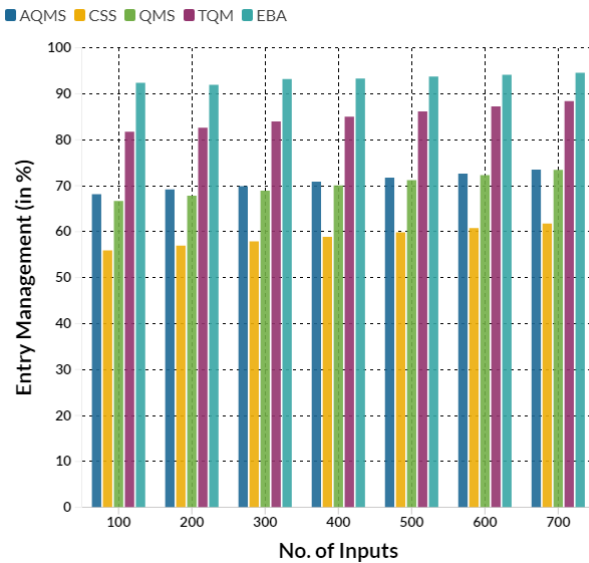

Fig.2. Comparison of Entry Management

The market economy is considered a clear reflection of a certain level of development based on change: competition is growing: companies are trying to find additional sources of increasing profitability of their business. Information technologies enable business organizations to fine-tune multiple functions in order to achieve greater work outcomes.
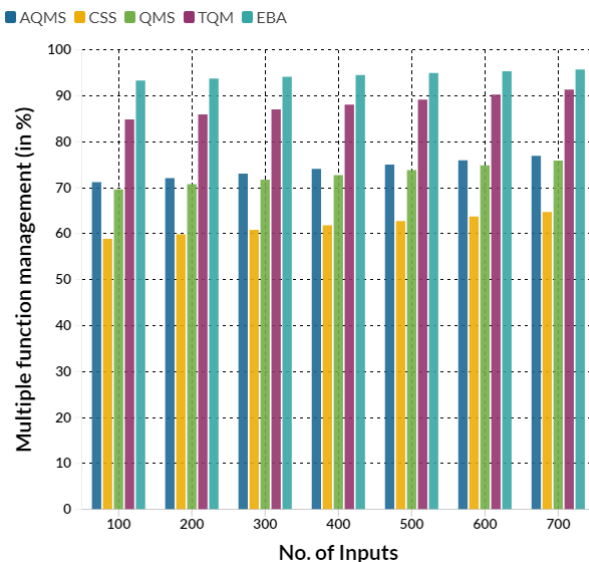

Fig.3. Comparison of Multiple function management

To transform business relationships for the use of information technologies, if there are no providers of such services, to implement the project and provide a set of business integration services. Conventional system integration, the main task of incarnation of projects for life the existing IT infrastructure is created - a complete union of all elements, now aimed at solving the tasks used by the business integrator.
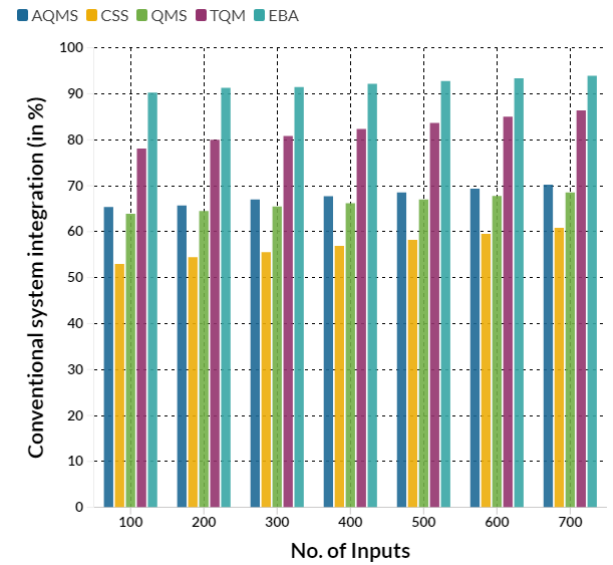

Fig.4. Comparison of Conventional system integration

The main criteria of the system integrator are precise performance functions, security and regulatory function of an information system with a business integration, which, from an economic point of view, results in a high efficiency increase. It is clear to everyone that infrastructure needs good performance. The company pays great attention to how the tool increases business performance.
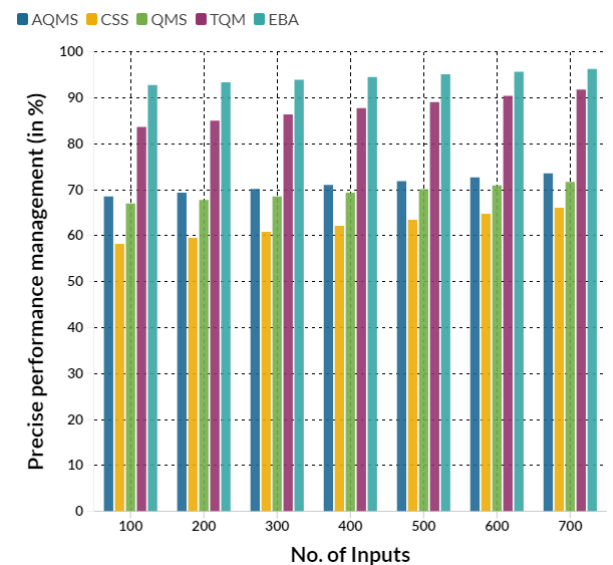

Fig.5. Comparison of Precise performance management

Engineering aspects of IT infrastructure are being replaced by economic aspects. The leading players of the system integration market can now rebuild their work with customers and offer a new approach to problem solving - through information technology. The idea of creating a network comes from the need to use and exchange functional information. If a local network builds these priority capabilities, simplifies management, centralized data storage, security policies, optimal use of the resources of all computers in the network, etc., then creates a specific order to collect information, provides simple and convenient tools to use

and use information. Also, special intranet applications and built-in email downloads change the company's work style, which leads to a significant time saving in the overall use of information and the organization of the company's internal document management system (this information exchange). When the number of computers in the network is 5 or more, even in different rooms, a one-level network is poorly controlled (from the point of view of organizing collaborative work users). You need to install a dedicated server.

5. CONCLUSION

Despite the positive indications of understanding the true possibilities of information technology for business, it cannot be said that the situation has changed much now: the maximum demand of companies for information services has not been observed. For some reason, caution belongs to top management IT. Thus, it turns out to be a modern-level highlight of Russia and its mentality. Information technologies for business do not offer the possibility of increasing its efficiency. There is no magic, if the business processes are done poorly in the company, it is poorly managed, then nothing, not even IT will save from bankruptcy. Perhaps in the distant future, they will control the business process without human intervention, but now if it is a poor company, it reduces the final results. But the project activities information technologies help the teachers who decide to engage in these activities. They do not have a strategic plan and do not know where to start, information technologies can help them and achieve high results.

REFERENCES

[1] M.D. Samad, A. Ulloa and G.J. Wehner, "Predicting Survival from Large Echocardiography and Electronic Health Record Datasets: Optimization with Machine Learning", *JACC Cardiovascular Imaging*, Vol 12, No. 4, pp. 681-689, 2019.

[2] M. Anoopkumar and A.M.J. Md Zubair Rahman, "A Review on Data Mining techniques and Factors used in Educational Data Mining to Predict Student Amelioration", *Proceedings of International Conference on Data Mining*, pp. 122-133, 2016.

[3] R.B. Kulkarni, "Appraisal Management System using Data mining Classification Technique", *International Journal on Computer Applications*, Vol. 135, No. 12, pp. 45-50, 2016.

[4] V. Tanvi Sharma, "Performance Analysis of Data Mining Classification Techniques on Public Health Care Data", *International Journal of Innovative Research in Computer and Communication Engineering*, Vol. 4, No. 6, pp. 1-14, 2016.

[5] V. Dhar, "Data Science and Prediction", *Communications of the ACM*, Vol. 56, No. 12, pp. 64-73, 2013.

[6] Y. Zhang and D. Zhang, "Automatically Predicting the Helpfulness of Online Reviews", *Proceedings of IEEE 15th International Conference on Information Reuse and Integration*, pp. 662-668, 2014.

[7] Yuanlin Chen, Yueting Chai, Yi Liu and Yang Xu, "Analysis of Review Helpfulness based on Consumer Perspective", *Tsinghua Science and Technology*, Vol. 20, No. 3, pp. 293-305, 2015.

[8] Vishal Meshram, Vidula Meshram and Kailas Patil, "A Survey on Ubiquitous Computing", *ICTACT Journal on Soft Computing*, Vol. 6, No. 2, pp. 1130-1135, 2016.

[9] Kailas Patil, Xinshu Dong, Xiaolei Li, Zhenkai Liang and Xuxian Jiang, "Towards Fine-Grained Access Control in Javascript Contexts", *Proceedings of International Conference on Distributed Computing Systems*, pp. 720-729, 2011.

[10] Abhijeet S. Kurle and Kailas R. Patil, "Survey on Privacy Preserving Mobile Health Monitoring System using Cloud Computing", *International Journal of Electrical, Electronics and Computer Science Engineering*, Vol. 3, No. 4, pp. 31-36, 2015.

[11] Ronak Shah and Kailas Patil, "Evaluating Effectiveness of Mobile Browser Security Warnings", *ICTACT Journal on Communication Technology*, Vol. 7, No. 3, pp. 1373- 1378, 2016.

[12] J. Junaidi, "The Effect of Corporate Governance, Integrated Quality Management and Social Responsibility on Competitiveness and Operational Performance", *Golden Ratio of Marketing and Applied Psychology of Business*, Vol. 2, No. 2, pp. 73-91, 2022.

[13] J. Hakansson and C.H. Adolfsson, "Local Education Authority's Quality Management within a Coupled School System: Strategies, Actions, and Tensions", *Journal of Educational Change*, Vol. 23, No. 3, pp. 291-314, 2022.

[14] Y. Mo and N.M.D. Borbon, "Interrelationship of Total Quality Management (TQM), Job Satisfaction and Organizational Commitment among Hotel Employees in Zhejiang and Hainan Provinces in China towards a Sustainable Development Framework", *International Journal of Research*, Vol. 10, No. 3, pp. 1-16, 2022.

[15] S.D. Akhmadjonovich, "Socio-Economic Aspects of Management Quality", *European Multidisciplinary Journal of Modern Science*, Vol. 4, pp. 394-398, 2022.