THE USE OF RESOURCES OF THE IT SYSTEM IN THE SCHOOL WITH CLASSES I-VIII NO. 6 ŞERBAN CIOCULESCU

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Abstract: The quality of the IT system within an organization, institutions, is directly influenced by human resources (information technology specialists), but also by hardware resources (computers, peripheral input and output elements, information storage elements). Based on the resources of the IT system, the article is divided into two sections: the theoretical approach of the concept under analysis and a part intended to study the quality of the information system resources within a school unit in Dâmboviţa County. The main hypothesis from which the elaborated present is based is that both people and computers have a direct impact on the IT system.
Key words: computer system, education, resources, teachers.
JEL Classification: I20.

1. Information system - theoretical approach

The information system can be defined as the link that is created between users, technology and processes, in order to achieve a specific objective. Specialists use hardware and software components, usually in a network format, to process raw data into useful information (Indrajit, 2010).

An information system is characterized by inputs, processing and outputs. Input category includes: data, information, and operations. Processes include: hardware and software. Outputs within a computer system are represented by reports, graphs and indicators (Waman, 2007).

The essential components of a computer system are represented by the following resources (human resources, hardware, software, data, networks, informational systems).

End-users are people who use information. They can be accountants, salespeople, engineers, officers, managers or simple clients. IT specialists are people who develop and exploit the information. In the category of hardware resources, computers and other equipment together with all data carriers, objects on which the data are recorded and saved, a variety of interconnected peripheral devices.

2. The study of the quality of information system resources
The methodological context

The subject of the research: The importance of the quality of the IT system resources within the I-VIII School no. 6 ”Şerban Cioculescu” Găeşti, Târgovişte.

The research aims to answer the following questions:

1. Does the information system provide the necessary human resource performance reports?

2. Is the quality of the information system reflected by human resources?

3. To what extent do hardware resources have an impact on the quality of the IT system?

The hypotheses and issues studied

H1: To a large extent, respondents believe that the IT system provides the necessary human resource performance reports.

H2: In the opinion of most of the participants in research, hardware resources have a significant impact on the quality of the information system.

H3: Respondents think that the quality of the information system is reflected by human resources in the organization.

All these hypotheses are intended to be confirmed / denied by the frequency of respondents' responses.

Method of research

The targeted collectivity: the human resources within a school unit in Găeşti. The sample size is represented by 46 people from the teachers. Sampling mode - Non-equitable sampling using odds based on 3 relevant criteria (age, gender and environment of employees) was used. The research was conducted through the opinion poll and is a quantitative research based on the questionnaire tool. The purpose of the questionnaire is to identify the importance of the quality of information resources within the school unit. In the questionnaire, nominal questions were used. How to apply the questionnaire - face to face. Identifying the level of importance of some criteria was achieved using the 5-step Semantic Differentiation Scale.

The processing of the questionnaire was done in the database created in the EXCEL program.

Question 1. Are there qualified staff for the collection, recording and electronic storage of data in the school?

Response	Percentaje
yes	100
not	-
I don´t know	-

Table and Figure 1. The existence of qualified personnel for electronic data collection, recording and storage

Source: elaborated by the author

All individuals participating in the research have the opinion that within the school unit they are responsible for collecting, recording and electronically storing the data.

Question 2. Do you consider that the number of persons involved in the process of collecting, recording and electronically storing data is sufficient?

Response	Percentaje
yes	*40*
not	*60*
I don´t know	-

Table and Figure 2. Sufficient number of people
Source: elaborated by the author

The highest percentage of respondents opted for the option that there is a sufficient number of people responsible for collecting, recording and storing information.

Question 3. Is there a student management system in your school?

Response	Percentaje
yes	*100*
not	-
I don´t know	-

Table and Figure 3. Student Management System
Source: elaborated by the author

To this question the respondents responded unanimously to the fact that there is a student management system.

Question 4. Has the school unit completed computer and program maintenance and repair contracts in recent years?
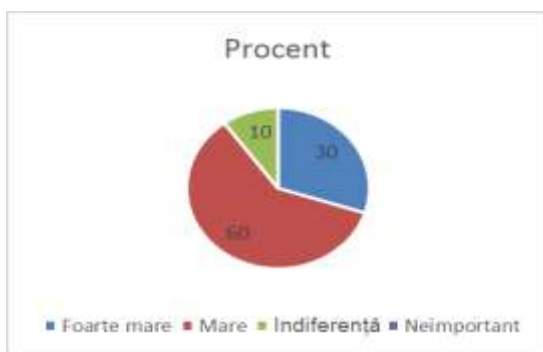
Response	Percentaje
yes	*30*
not	*70*
I don´t know	-

Table and Figure 4. Conclusion of computer maintenance and repair contracts
Source: elaborated by the author

70% of the respondents answered affirmative and 30% negative.
Question 5. If your answer to the previous question is affirmative, I would ask you to specify the extent to which they proved to be effective.

Response	Percentaje
Very high	*30*
Great	*60*
Indifference	*10*
Unimportant	

Table and Figure 5. Student Management System
Source: elaborated by the author

To a large extent, the contracts concluded by the school unit with the organizations specialized in computer repair have proved to be effective.
Question 6. For the following criteria defining the quality of information system responses, please provide the level of importance.

6.1. IT training

Response	Percentaje
Very important	*30*
Important	*60*
Indifference	*10*
Unimportant	

Table and Figure 6. IT training
Source: elaborated by the author

IT training is perceived by 60% of respondents as important, 30% important and 10% indifferent.

6.2. The experience

Response	Percentaje
yes	*40*
not	*60*
I don´t know	*-*

Table and Figure 7. Meeting the IT requirements of the institution
Source: elaborated by the author

Question 8. How many computers are installed for educational purposes in laboratories?

To this question, unanimously, respondents specified that 30 computers with educational role were installed in laboratories.

The last section of the questionnaire presents the elements of identifying the profile of teachers as an integral part of this research. The gender structure of unit staff shows that women predominate. Regarding the respondents' age, we can talk about diversity. The last segmentation criterion, the home environment of the survey participants, shows that urban respondents predominate.

3. Conclusions

Within the school unit the computer lab is equipped with computers and they are used with efficiency in the educational process. Also, the specialty teachers deal not only with the act of teaching-learning, but also with the good keeping of the computers and the programs.

In a large percentage, respondents believe that the IT system provides the necessary human resource performance reports, the first hypothesis is confirmed. In the opinion of most of the participants in the research, hardware resources have a significant impact on the quality of the information system, the second hypothesis is verified.

Respondents are of the opinion that the quality of the information system is reflected by the human resources of the organization, the latter hypothesis is verified. In conclusion, we cannot speak of a quality computer system if human and hardware resources do not have a high standard of performance.

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