

# **ADOPT A STUDENT PROJECT**

**José Alexandro Acha Gomes**

## **resume**

This work aims to propose an information system for managing the search for volunteers to provide interaction with students so they can form teaching partnerships. The elaboration of this project was conceived with the concepts of BIG DATA, DATA LAKE and BLOCKCHAIN. Starting from an information collection, a pilot project for search management was elaborated where all partnerships between volunteers and students can be described. From this information, partnerships can be identified, generating reports for the management and decision making of students and volunteers. With the identification and quantification of partnerships, it is possible to produce management reports and information for future partnerships and for improvement in teaching. These reports assist in making decisions regarding teaching, contributing to the search for volunteers in locations where there is more need. With the help of the reports generated through the pilot project, we can act in advance, streamlining and increasing the supply of volunteers and, at the same time, preventing students from being left without education.

## **1. Introduction**

Currently, due to the pandemic, many schools are closing and students are running out of classes. There is a need for a global platform that can be accessed by cell phone and / or computers in a simple way and that students and volunteers can access to conduct searches in order to help people to stay studying. The student must make his / her teaching needs available through standard forms. Volunteers must make their experiences available through standard forms. Searches can be done manually or automatically by the system by students looking for volunteers and vice versa.

## **2 Referential**

In order for the model proposed in this project to be developed, a comprehensive technical survey of the database regarding each region is necessary. Each location must have its module of rules and program that govern teaching, inserted in the main project.

### **3 Relationship Marketing**

Relationship marketing or post-marketing means building and sustaining the infrastructure of relationships between users. The main objective of relationship marketing is to maintain the user through the trust, credibility and the feeling of security transmitted by the project. Relationship marketing as the process of ensuring continuous satisfaction and reinforcement to individuals or organizations that are or have been users. The user also takes into account all the relationship history between him and the project. Each time a user logs in, they have the opportunity to collect valuable information to achieve their goals, and in doing so, the platform can help solve teaching problems by minimizing the effects of the pandemic.

### **4 Management Information System**

Support systems are those that focus on providing information and support to managers in their effective decision making. The need for organized information in an objective presentation where the problem resolution is focused leads to investment in information systems as a support for planning and control functions. Success is linked to the speed at which information is assimilated and the speed at which decisions are made. Dysfunctions arising from production that are not listed and managed are part of a group of so-called hidden costs, since they are not accounted for. Thus, information systems must be designed to produce a multiplicity of information products designed to meet the changing needs of decision makers in the organization as a whole.

### **5 Research Classification**

With regard to the objectives, it is a descriptive research whose main purpose is to outline or analyze the characteristics of facts or phenomena, the evaluation of programs or isolation of main or key variables. As for the approach, the research is qualitative because it has the environment as a direct source of data. This research is of an applied nature and is characterized by its practical interest, that is, that the results are applied or used, immediately, in the solution of problems that occur in reality. As for technical procedures, it is a research and case study, it aims to explain and build hypotheses about the problem evidenced, improving the ideas, supporting the subject in question addressed in the research. The research is developed from trends and the case study deals with facts / phenomena. Usually isolated, and allows the researcher to discover aspects that were not initially foreseen. Restricts the study to an objective, which can be an individual, family or group.

### **6 Stages of Work**

Initially, after defining the research problem, the referential on the topic was carried out. Then, the system's information was surveyed and afterwards a management information system for partnerships was proposed, which was then prepared by a pilot project. In the methodological evaluation, the new system was compared with the previous one and the strengths and opportunities for improvement were described.

### **4 Results**

Results evaluation is an ongoing activity, which aims to measure and monitor the progress of a specific action or project, based on pre-defined objectives.

## **5 Proposed complaint management system**

In the partnership management system, it allows users to search that helped to make projections using mathematical models and Artificial Intelligence, to check areas with more demand and to be able to manipulate the data according to the user's interest.

## **6 System Architecture**

The proposed system has in its architecture the entry of data through direct user contact with the database. With this database, the information is transformed into management reports and illustrative graphs aiming at reducing the low education index, and for making managerial decisions.

## **7 Proposed Application**

The proposed partnership management system is accessed via cell phone or the website. Data entry is done on the screen of a cell phone or a computer where the date, time, location, user and information files entered in standard forms are recorded.

## **8 Analysis of the Proposed Methodology**

It is difficult to quantitatively assess the benefits generated by a management information system. However, the management information system can help in cases of seeking partnerships, students in difficulties in teaching, more accurate and quicker reports with less effort, in the improvement of the teaching solutions performed, improvement in decision making, encouragement of greater participation of volunteers to help students, preventing student dropout among many other factors to help minimize such facts. Among the strong points to be highlighted are: ease of data entry, management reports, rapid data analysis, in addition, this partnership management system provides the possibility of creating improvement groups aimed at reducing the rates of low education level.

## **5 Final Considerations**

The aim of this project is to connect people who need help to minimize this serious problem that affects us all. The reports extracted from the information included in the system generate information for users. Among this information, the search for volunteers by teaching area and students by area of need stand out. Also noteworthy are the automatic searches that use Artificial Intelligence to find partnerships. The evaluation of these numbers aims to guarantee the quality of the system. The daily practice would be to use the reports generated by the system to carry out formula adjustments, since the query to the database is shaped according to the user's needs, such as the visualization of partnerships by students, volunteers, typology and reason. The use of database technologies, related to the technical information of the partnerships, they generate a strong parameter for major work to reduce the rates of functional illiteracy and student dropout. The proposed system strengthens the system's commitment to the user and its quality, guarantees an effective and quick management structure in its decision making. The result that can be obtained with the partnership management system can go beyond the initial purpose of controlling the indexes of partnerships made, which is worth highlighting the interaction of students and volunteers in seeking contacts, the possibility of future partnerships aimed at reducing the rates low schooling. These works based on success rates, which can expose society to a path to return to education.