INTER-PACIFIC STUDY AND MIGRATION CONSULTANCY

INFORMATION SYSTEM

Renter John E. Aride, Jennifer R. Luces, Steve G. Tuiza,

Ariane M. Torres, MIT, Elmer T. Haro, Ph. D.

College of Information Technology

University of Negros Occidental – Recoletos

#51 Lizares Avenue, Bacolod City

[{renterjohnaride](mailto:%7brenterjohnaride), lucesjennifer370, [tuiza927](mailto:tuiza927@gmail.com)}@gmail.com

ABSTRACT

Inter-Pacific Study and Migration Consultancy started its operation in 2009. It is a visa consultant which provides assistance to Filipino in their aim to visit, study, and migrate to Australia. Information systems are used to reach their potential customers, to process financial accounts, and to manage their human resources. Others rely on information systems, generally in doing activities in their daily lives: for socializing, studying, shopping, banking, and entertainment.

The team proposed an information system for the organization. It is a technical tool and a capacity building mechanism that will support the Inter-Pacific Study and Migration Consultancy (IPSMC) in the management of regular migration flow from the Philippines, improving migrant’s social status in receiving countries and channeling human and financial resources.

The Inter-Pacific Study and Migration Consultancy Information System (IPSMCIS), will help the organization to fully organize the flow of their processes. This system will cater three processes for the organization; the application of visa for tourist and student, student matching, and monitoring of tourist and student visa grant status by interactive communication. The system will store every information in the database and also generate all the reports needed by the company and the clients as well. Lastly, it provides user access to only restrict certain users which are the approved clients given by the admin.

There will be an improvements to the manual process of the Inter-Pacific Study and Migration Consultancy once that it is automated and implemented. It will be easy for the admin side to generate reports as soon as possible and to manage the records their clients as well.

Keywords: IPSMCIS, Inter-Pacific Study and Migration Consultancy, Visa Application

INTRODUCTION

An information system is an integrated set of components for collecting, storing, and processing data and for delivering information systems to carry out and manage operations, interact with their customers and suppliers, and compete in the marketplace [REF01]. The Inter-Pacific Study and Migration Consultancy Information System (IPSMCIS) is a web-based system. The primary aim of the system is to make the organization transactions easier and faster by automating their manual process regarding the application for tourist and student visa, matching of student and tourist, and monitoring student status abroad. By the use of the proposed system, it helps the organization to transfer information to and from the school. And also, it can help the organization to be still connected to their clients outside the country by the use of the additional features which is the messaging.

PROJECT OBJECTIVES

In this study, the team formulated the objectives that help improve the current operation of the Inter-Pacific Study and Migration Consultancy. These objectives describe the outcome of the team’s system for the organization. The objectives of the study are as follows:

1. To generate a printable reports.

2. To provide an electronic copy of documents for the company.

3. To provide monitoring of students they sent abroad for school purposes.

PROJECT SCOPE

The type of system that the team develop is an Information System for Inter-Pacific Study and Migration Consultancy. As an Information System, its main purpose is to store information about the different clients the organization have based on the different services they have. The system focus on the Student and Tourist Visa application, the matching of students to different overseas schools associated with organization, and the online monitoring of students. All the information gathered from the clients be store in the system database to secure its confidentiality.

PROJECT VISION

The automation of the manual process of the organization is believed to be a big help through the processing of different processes in the organization. It gives accurate results and less time consuming in processing everyday transactions. With the help of automated processes, the organization is able to easily track the transactions and generate reports of timely records. The system is also equipped with data storage to create an organized storage and recovery of files. Moreover, the organization becomes productive regarding transactions and processes with the use of the system.

PROJECT STRATEGY

The system development methodology is used to describe the process of building systems, intended to develop the system in a very thoughtful, structured and systematic way. Throwaway prototyping is a method of development that employs technical mechanisms for reducing risk in a project. The methodology allows the proponents deliberately to decide in building out a particular set of functionality for an application, or in building out the entire prototype application to explore fully what it is that the proponents are trying to accomplish and ensuring that every feature and functionality is in the line with the objectives of the system.

SUMMARY

The admin of Inter-Pacific Study and Migration Consultancy entrusted us to gather all the information needed for the development of their processes and agreed to work with us to make their manual process automated. The team then completed the requirements process such as project charter, forms and data analysis, project technicality, project management and risk management.

Previously, the IPSMCIS are still using the manual operation of recording and other transactions within the organization. The team had come to analyze the problem and then made to implement the solution to the system. Lastly, this section will also discuss the planning, analysis and the development stage of the system.

8.1.1 Planning and Data Gathering

The team conducted interviews, gather relevant information and some confidential data that we needed as we do our first step, the analysis phase. At first, we are having a hard time in gathering some confidential records regarding the sample information of their clients and other forms. The team decided to talk to the admin personally and discuss how the system can be helpful for the company if they will share and give all the information to us.

8.1.2 Design and Development

In this section, those data that the team gathered in the company will be used in constructing a data flow diagram (DFD) and entity relationship diagram (ERD). Also, to avoid data anomalies and redundancies the group construct a database which is used in storing important information’s.

8.1.3 Implementation and Testing

In the implementation phase, the group continuously go back to the organization to evaluate the system and checked if there are some errors regarding to their process. After the implementation, the team approach their technical consult to check the system if it is effective and efficient to the company needs.

CONCLUSION

After analyzing the incapability of the current operations of IPSMCIS, the team concludes to integrate their system with automation. The system offers an easier way to make the organization process their transactions. The team conducted research and interview with the organization to make sure that their problems are figured out and proper solutions are provided. Here are the problems mentioned previously and how the system resolves the issue.

8.2.1 Slow Generation of Reports

Based on the manual process in generating a report, the team implemented an automated system that helps the company to generate faster and printable report so that they can save time compare to their previous process.

8.2.2 Manual Process in Visa Application

Based on the manual process in applying for visa, the team implemented an automated system that provides the admin a convenient way to input the given information of the client for their visa purposes.

8.2.3 Difficulty in Monitoring the Client’s Abroad

The team implement an additional module which is the messaging. This module is used to communicate their clients outside the country by chatting one another. It can help the admin to monitor their clients if what is their situation outside the country.

RECOMMENDATION

Recommendation and suggestions are critical factors in improving the IPSMCIS. In that way, a different perspective can be seen which can allow the team to make improvements and provide a better output soon. During the development of the system, the draft output of the system was presented to the department head as well as to the selected panels and interpellators. Suggestions were given to further improve the system in which case a module was removed. Some of these suggestions and recommendations were implemented in the IPSMCIS.

The team conducted a brainstorming activity and gathered all the recommendations and suggestions made by the department head, panels as well as the interpellators and the decision of the team with the help of the technical consultant. These suggestions can be a big help in creating a reliable system to be implemented in the company. Each suggestion and recommendation is carefully analyzed if it is really essential to make changes in the IPSMCIS. It also helps the team create new ideas based on the suggestions and recommendation given.

8.3.1 Error Traps in the System Process

Based on the recommendation given by the panels error traps is one of the lists. The team apply that recommendation to the system so that if there is a field that the admin was missed out the prompt message will appear.

8.3.2 Fixed Broken Link of the Module

The team carefully reviewed the code to ensure if the php file that has been used in the code is correct. The team test every module of the system if it is properly link to each other. After reviewing the codes, the team test it again and the broken links was fixed successfully.

8.3.3 Change the Design of the Map

The panels recommended the team to change the map in generating the reports in frequently visited countries and the number of applied schools per country because of using dots in showing the quantity of which country was determined, it might overlap into the other country and cover all the entire map if possible. So, the team do some research of what the most suitable map for the report will be and applied it to our system.

REFERENCES

###### {REF01} Latest trends in information systems. (2012, October 19) Retrieved from [http://sopinion8ed.wordpress.com/2012/10/19/latest -trends-in-information-systems/July 22](http://sopinion8ed.wordpress.com/2012/10/19/latest%20-trends-in-information-systems/July%2022), 2015 3:21pm