The Development Information System for Digital Media Service

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Abstract: - The purpose of this study are: 1. to develop an information system to provide digital media services. 2. to assess the quality of the system and 3. To analyze the cost of the system. The development follows a System Development Life Cycle process. The results of the research was developed information systems are divided into five parts to meet the needs of the users at all levels. The quality of the system revealed that is at good level. The analysis of the investment cost for developing the system contain the pay back period in two years.

Key-Words: - development/information/system/digital/media/service

1 Introduction

Information is important to the learning world in order to set development path of politics, economy, society and culture. It is critical for developing human and society so individuals are be able to create knowledge that will be utilized in daily life, both work and personal life as well as correcting, planning and the judging skill for problem solving problems. It had a clear cut about the person whom seek knowledge and get valuable information continuously shall be victorious over others. The advancement of information technology has influenced the way of lives and behavior of humans. It reduces the inequality gap in access to information and knowledge. It become an information society related to the use of computer technology and telecommunications for daily life. As you can see from the context of the terms used, such as office automation, electronic commerce, distance education, network communication via electronic mail, the spreading of information on the Internet and the web stuffs. These are part of the changes that occur in the information society that focuses on the value of information. There are storage, usage, research and development to collect new information all the time which is important for continuous research and development of information technology. However, it cause economic and social space, that make inequality of opportunity and the ability to access news material. Since the spread of information technology undeserved people without equally so there is a gap between the people with news and no news. The material needed to accelerate editing. Moreover, in today's society, a lot of knowledge can be transfer or recognition material. Science and knowledge happens every day. The skills of information technology in modern society is necessary and important. Students need to have skills in searching, communication skills and storage skills along with language skills for education and communication use in order to learn self-lifetime [1].

Organization as library has develop information system to used for automatically managing the basic aspects of the library. It is important to many libraries and users to continued development of an automated library system. It has worked as a sub-system, multi-system as well as providing users in terms of information search and circulation of information resources. The amount of information print media resulting from the digital information. Progress. Information technology in manufacturing and dissemination of information apply to the number of digital information. There are many digital information turn into digital libraries. Digital library has significance to the study and learning. Digital library system has five sub-systems which are digital information import system, digital information system report format, searching system and user administration. Most organizations develop information database to store their information resources to provide service, but at the same time they provide instant data base in order to meets and cover all the needs of users. And digital printing plates causing many digital print and digital publication of information. It can be self-prepared for digital publication and distribution. It is convenient to print large number of digital such as electronic books, electronic newspapers and electronic journals, etc. [2].

The importance of information literacy to learning in the workplace efficiency. The importance of information, which is the main resource in the society is the core of all social life, enhancing performance,
managed services and operations including setting standards and keep up the world competition. Information literacy is important to both the study and livelihoods especially education that led to the concept of reform of the educational based on learning by students importance to improve the quality of the Thai people, enhance the strength of the society with the learning culture in the era of globalization towards education for all education and lifelong learning. It shift from content to focus on learning and self-study of various educational materials. Learning resources and the role of teachers have changed. Teachers are just facilitate learning. However these will not occur at all if the lack of emphasis on information literacy. in order to allow students to have knowledge, study skills and critical thinking ethics for lifelong learning in Information Society Information and globalization [1].

2 Objective
The research objectives are following.

2.1 To analyze, design and develop the information systems for managing the digital media.

2.2 To evaluate the system.

2.3 To evaluate the cost effectiveness of the system.

3 Expected Result

3.1 Information System quality recieve a good level of satisfaction.

3.2 The system has a cost-effective investments in factor of development time, using system period and finance investment.

4 Procedures
Analyzing the system for digital media services using theory of System Development Life Cycle ; 7 stages following :

4.1 Problem Recognition found that the management of digital media data store in documented type in the file cabinet. Digital media storage is not categorize which less powerful to meet the needs. Also the administrators do not have the information to make decisions.

4.2 Study the feasibility costs incurred techniques of information technology used in system development. The main factors are including time spent on system development, benefits which found that it should take no more than a year to develop from the beginning until finish. There was also defining system requirements include the need for processing, storage and controlling needs.

4.3 Analyze the system in order to develop information systems for digital media services. Organized into five parts based on data from this study was resource information system, technical information system, information retrieval systems, system information services and prepare a database system. The systems are related and aim to provide services to users.

4.4 The results obtained from analysis of the system define format of the user interface design which are screen formats, information report and information design such as components of the data, design process, including the program and working order.

4.5 Develop the information systems following the preliminary analysis and design.

4.6 Testing the system and training users to use information systems for digital media service. Also, transfer data from old systems to new systems.

4.7 Use the review process after the implementation of information systems for digital media services to use to evaluate and verify the application of the system as user needs.

5 Summary
Summary of the development of information systems for digital media services. can be summarized as follows.

5.1 Results from analysis the system shown in Figure 1 and Figure 2.
5.2 Analysis of the cost-effectiveness of developing information systems for digital media services within 2 years. The development using PHP5 and MySQL database in order develop the system to meet the needs including edit in the system. It is convenient and save the time in fixing the problem.

5.3 The quality of the system as shown in Table 2.

<table>
<thead>
<tr>
<th>Lists</th>
<th>Mean</th>
<th>SD</th>
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<tbody>
<tr>
<td>1. The system easy to use.</td>
<td>4.83</td>
<td>0.78</td>
</tr>
<tr>
<td>2. The system is appropriate.</td>
<td>4.78</td>
<td>0.95</td>
</tr>
<tr>
<td>3. The system provides menu in detail.</td>
<td>4.65</td>
<td>0.88</td>
</tr>
<tr>
<td>4. The processing speed and precision accuracy.</td>
<td>4.74</td>
<td>0.75</td>
</tr>
<tr>
<td>5. The service is ready to use.</td>
<td>4.65</td>
<td>0.95</td>
</tr>
<tr>
<td>6. System report as needed.</td>
<td>4.65</td>
<td>0.78</td>
</tr>
<tr>
<td>7. Clear instructions for users.</td>
<td>4.43</td>
<td>0.94</td>
</tr>
<tr>
<td>Total</td>
<td>4.67</td>
<td>0.65</td>
</tr>
</tbody>
</table>

Table 2. The results of the evaluation of information systems for digital media services.

6 Discussion
The results of the development of information systems for digital media services revealed that the system has very good quality. The results of the study showed that the system was managed to communicate with the users to know the disadvantages before use. Users also participated in the design which concern about developing techniques. There was user training before actual implementation. The knowledge of behavioral science were given to the analyst for making support the change and developed in organization. Development of information systems for digital media services was taking into account the negative impact especially for everyone to have the opportunity to participate in the development of this system, according the research Saengpraseart Hemthuwanont and Et al [5].

References: