AUTOMATED LIBRARY SYSTEM IN SCHOOL LIBRARY: USER SATISFACTION

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Abstract: This research is conducted with the objective to study library staff and library user satisfaction with the OpenBiblio software in the library operations, the information retrievals and the library services; case study in library of English program, Suan Sunandha Rajabhat University Demonstration School, Thailand. Data is gathered from 181 students, Library staff and teachers from English program, Suan Sunandha Rajabhat University Demonstration School by using questionnaires. The quantitative approach uses in research by percentage, means, standard deviation. The results are shown that this software “OpenBiblio” was developed by PHP language usage, MySQL for database management and simulated PC for web server. Then, the software was installed on Window operation system. In the respondents’ opinion showed that the “OpenBiblio” software can enhance effectiveness of library function and library service in good level. And the study of the library staff and library user satisfaction with the OpenBiblio software in the library operations, the information retrievals and the library services in overviews and in each aspect are in maximum level. (X= 4.30, S.D.= 0.45), (X = 4.12, S.D.= 0.80) The study’s results were used to be guideline the implementation of the OpenBiblio software for the other small school library.

Keywords: Library, Library Automation Software, School Library Software, Software OpenBiblio.

I. INTRODUCTION

School library is a library within a school where students, staff, and often, parents of a public or private school have access to a variety of resources. The school library is the place where collects printed, non-printed material and electronics media include provides information and ideas that are fundamental to functioning successfully in today’s information and knowledge-based society. [1] School libraries are distinct from public libraries because they serve as learner-oriented laboratories which support, extend, and individualize the school’s curriculum and serves as the center and coordinating agency for all material used in the school. School library [2] The library resource exactly helps teachers and students to easily access the documents and update the knowledges. [3] The students can not only practice their reading, writing and listening skill in school library but they can also borrow the materials to learn and practice outside the library. School libraries function as a central location for all of the information available, and a school librarian functions as the literary map to the resources and materials found within the library. [4] The purpose of school library is to be the center of learning community, reading promotion, develops the imagination, and equips students with life-long learning skills, enabling them to live as responsible citizens. [5]

Dewey Decimal Classification and Library of Congress Classification are universal standard classification system for Library resources cataloging. Most school libraries and small libraries prefer use Dewey Decimal Classification system to Library of Congress Classification system because it is easy to classify the resources and the library can rapidly serve the resource for the users. Nowadays, advancement of technology and information technology, the library move to use technology to be tool for information resource management. Suan Sunandha Rajabhat University demonstration school has provided English language for many subjects such as mathematics, science, social, health education and English subjects. All students have been learnt by native teacher. The school concerns about the important of the third language by building the English program’s library. Which provides information resources in English language cluding other language such as Chinese to helps teachers students and staff to easily access the documents. Now, Information storage and retrievals in library of English program at Suan Sunandha Rajabhat University demonstration school still using by manual.

Openbiblio automated library system is a free integrated library software written in PHP containing modules for OPAC or online public access cataloging, circulation, cataloging, staff administration functionality and reporting from the database. OpenBiblio is a simple to use web based library automation system designed for small libraries with resources of less than 50,000 volumes. The system is tailor-made for libraries and institutions with financial, technical and organisational restrictions to implement other open source software such as KOHA and Evergreen. OpenBiBlio can run on both Linux and Windows based environments, and requires the installation of Apache and MySQL. The OpenBiblio install in a Windows environment are available online, based on MARC21 metadata format. This automated Library System is easy and quick service for the library user to access the library.

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In this research, the researcher developed Thai language Openbiblio software. Then, making Suan Sunundha Rajabhat University demonstration school’s library resources database by Openbiblio software. Therefore, the researcher interest was aware of satisfaction of the library user who use the software and the database.

II. METHODOLOGY AND RESULTS

The purpose of this study is to study library staff and library user satisfaction with the OpenBiblio software in the library operations, the information retrievals and the library services, which was a case study in Sunundha Rajabhat University demonstration school’s library, Thailand. The study was based on a quantitative method. The population used in this research are 335 people, that are library user including librarians, teachers and students in English program of Suan Sunundha University demonstration school. Finding sample size was conducted by Taro Yamane formula. [6] at the confident level at 95%, approximate error at 5%, obtaining sample size to be total sample group is 181 persons. Data collection was concluded by questionnaire.

The questionnaire is divided to 2 series which one is for the librarians and the other one is for the library users. Utilized in the study consisted of checklist and Likert scales. Both questionnaire comprised five mainparts. The first part of questionnaire included the questions of demographic concerning, status and sex. The second part of questionnaire included the respondents’ opinion in OPAC using. The third part concerned with part of questionnaire included the respondents’ opinion in “OpenBiblio” Modules. The fourth part concerned with user satisfaction in software using, information retrieval and library services. And the last part concerned with the user recommendation. Data collection was done from January 10th, 2016 to February 10th, 2016 to find the percentage, means and standard deviation. Data analysis shown in many tables as below

From Table 1, The profile of respondents revealed that most respondents were student 96.1%, teacher 3.87%, librarian, and library assistant teacher only 1% respectively. Most of them are female 53.59%.

<table>
<thead>
<tr>
<th>List</th>
<th>Satisfaction</th>
<th>Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. OpenBiblio module using</td>
<td>4.50</td>
<td>0.50</td>
</tr>
<tr>
<td>2. work Efficiency</td>
<td>4.50</td>
<td>0.50</td>
</tr>
<tr>
<td>3. Online public access cataloging using</td>
<td>4.00</td>
<td>0.00</td>
</tr>
<tr>
<td>4. Circulation using</td>
<td>4.50</td>
<td>0.50</td>
</tr>
<tr>
<td>5. Efficiency of OpenBiblio in overall</td>
<td>4.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Total</td>
<td>4.30</td>
<td>0.45</td>
</tr>
</tbody>
</table>

From Table 2, It showed that the satisfaction of librarian/library staff/library assistant teacher in using the OpenBiblio Library Automated system was in high level (X = 4.30, S.D.=0.45), As in each aspect found that the satisfaction of librarian/library staff/library assistant teacher in using the OpenBiblio library automated system in OpenBiblio module using, work efficiency, Circulation using (X = 4.50, S.D.=0.50), Online public access cataloging using and Efficiency of OpenBiblioin overall were in high level (X = 4.00, S.D.=0.00)

<table>
<thead>
<tr>
<th>List</th>
<th>Satisfaction</th>
<th>Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Design home screen for online public access cataloging</td>
<td>4.10</td>
<td>0.81</td>
</tr>
<tr>
<td>2. Searching online public access cataloging</td>
<td>4.19</td>
<td>0.77</td>
</tr>
<tr>
<td>3. Show the result of Searching online public access cataloging</td>
<td>4.14</td>
<td>0.78</td>
</tr>
<tr>
<td>4. Using database of information resource</td>
<td>4.07</td>
<td>0.79</td>
</tr>
<tr>
<td>5. Efficiency of OpenBiblio in overall</td>
<td>4.08</td>
<td>0.85</td>
</tr>
<tr>
<td>Total</td>
<td>4.12</td>
<td>0.80</td>
</tr>
</tbody>
</table>
From Table 3, it showed that the satisfaction of library user to the OpenBiblio library automated system in software usage, information retrieval and library services at library of English program, Suan Sunundha Rajabhat university demonstration school in overall was in high level ($\bar{X} = 4.12$, S.D.=0.80), As in each aspect found that the satisfaction of library user to the OpenBiblio library automated system in software usage, information retrieval and library services at library of English program, Suan Sunundha Rajabhat university demonstration school were in high level in every aspects. Thus searching online public access cataloging ($\bar{X} = 4.19$, S.D.=0.77), Design home screen for online public access cataloging ($\bar{X} = 4.10$, S.D.=0.81), and Show the result of Searching online public access ($\bar{X} = 4.14$, S.D.=0.78) Sort respectively.

CONCLUSION AND DISCUSSION

3.1. The Opinion and Satisfaction of Librarian or library staff or library assistant teachers in OpenBiblio Using for library operation and service at Library of English Program, Suan Sunundha Rajabhat university demonstration school

The satisfaction of librarians/ library staff/ library assistant teachers about the efficiency in OpenBiblio using for library operation and service at Library of English Program, Suan Sunundha Rajabhat university demonstration school, Thailand was in high level. The facility of searching online public access cataloging, work efficiency and circulation information resource is good level. Which is compatible to the hypothesis of this research and correlated to S. Kumchan and S. Boonmee[7], T. Ouipanich, J. Banghirun and D. Chamsai[8] which resulting about the library service providers and library users are satisfied in the efficiency of cataloging and searching online public access cataloging in high level.

3.2. The Opinion and Satisfaction of Library users in OpenBiblio Using for Information searching and Retrieval at Library of English Program, Suan Sunundha Rajabhat university demonstration school

The satisfaction of library users about the efficiency in automatic English library applied by OpenBiblio at library of English program, Suan Sunundha Rajabhat university demonstration school was very high level. Because OpenBiblio program provide the user easily access information resource and circulation. Which is compatible to the hypothesis of this research. But incompatible to the research of P. Kritiyapichartkul[9], which resulting of the satisfaction in efficiency, facility and accuracy of automatic library at the Royal Forest Department was in fair level.

CONCLUSIONS

The researcher developed Thai language open source namely Openbiblio software for library of English program, Suan Sunundha Rajabhat university demonstration school. After that applied Openbiblio software to build library resources database. The results of the opinion and satisfaction of library staff and library user about Openbiblio using in library operation, library service and library retrieval were in high level. The results were used to be guideline the implementation of the OpenBiblio software for the other small school library.

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REFERENCES