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REVIEW ARTICLE

BENEFITS OF VUFIND SOFTWARE TECHNOLOGY AS NEWLY SOPHISTICATED AND EMERGED TOOL TO THE LIBRARY SYSTEM AND SERVICES IN 21ST CENTURY

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ABSTRACT

The Aims of this research Paper are to Clearly discuss how Modern Libraries and other Information Centres Embrace and replaced other Library Search Software tool which is Online Public Access Catalogue (OPAC) With Vufind Software Which Imaged as Latest and Speedy Software into the Library System and Services in May 2010. The Paper discuss the concept of Vufind Software Technology, Components of VuFind Software technology, such as Detailed Search Results. The paper is also describes on the various Hardware and Software Requirements which is developed by different software package.

INTRODUCTION

First and foremost, the information communication technology revolutionized almost all part of human endeavour especially the field of library and information system and services in today's date because uncountable Web pages available on the World Wide Web which usually assist users to access information through computer machine and other variety of technology. So, the library and other information centres tremendously converted almost the entire activities into the modern technology Vufind Software, OPAC, Tin-libs Software, Ex-libs Software and other different kinds of Sources which enable them to satisfy and retain their users as Non-profits Organization. The oldest library catalogue is not enough to retrieve information. The amount of information overload was added more difficulties to traditional changing. Consequently, the existing of next generation library catalogue was successfully changed and finds the software/tools that enhanced their services such as journal articles, catalogue, usually search by users participating or visiting the library services. Such as tool discovered also import data and data (Metadata) usually in a merge form index or together to show the search results under one Platform. Whenever the library clientele finds this modern tool so there is no need to Select Specific retrieve tool for their initial searches. The library Users also intermingling with the search result and also time Save this became very crucial to any category of the library user either fresh or regular user of the library.

Now a days the information almost spread in different databases while the users accessing it unknowingly without considering the authority and the content of the information. The Vufind Software which replaced the Online Public Access Catalogue (OPAC) was also discovered and emerge to overcome all the difficulties with the previous outdated tools.

Vufind Software Technology: Vufind Discovery Software is a Collection of discovery system that will allow you to of your users an OPAC 2.0 Providing access to the entire library resources via a dynamic Web interface, becoming the perfect tool for your library system and services. Vufind software is an open source tool for your library which also provide unified OPAC 2.0 integrating the entire library materials Such as:

Traditional OPAC records, Digital library items, Institutional repository resources, Bibliographies and third-party library collections and subscribed resources. Vufind software is completely Modular, enable you to use either a basic Configuration or all the components. Given that is an open code Software, it is possible to modify the modules to fully customized them to your need or add new modules to broaden the resources offer. In addition, the software interface has translations in many languages around the world, including the Spanish. In open Geek Service, there are specialist in implementing of unified Vufind OPACs.

The table described the various softwares and their features

SN0:	VuFind Version	PHP Version	Apache HTTP Server Version	MySQL Version	Java JDK Version
1.	VuFind 1.x	5.2x	22.12+	4.1+	1.5+
2.	VuFind 2.0-2.3.1	5.3.3+	22.12+	5.1.10+	1.7+
3.	VuFind 2.4+	5.4+	22.12+	5.1.10+	1.7+

In addition to being recognized as a professional Vufind Support for Latin America, there is also certify and multidisciplinary team to achieve the best integration of the library collections with Vufind Software. VuFind also a smoothly integrated with several of the most fundamental Library Systems in the Market (LMS or ILS) Such as:

Innopac
Voyaga
SirsyDyinx
Koha
Aleph

After VuFind is integrated with your library management System, it will enable users to browse, discover and filter the library resources; VuFind Software also Shows in real time the status of the library materials and allows to put holds, See Users profiles and develop the social engagement. VuFind allows interoperability with most of content and catalogue databases Providers, EbscoHost, Summon or WorldCat.

Review of the related literature: According to (Cosh and Denton 2011) has postulated that, instead of requiring clientele to search in two difference places, VuFind software technology Make provision of single search box that brought together not only the classic catalogue and our ERM but added resources from our instances of DSpace and open journal systems. Emmanuel (2013) Explain the VuFind as an open-sources in the next generation catalogue system and was implemented by the consortium of Academic and Research libraries in Illinois as other alternatives to the Web Voyage Online Public Access Catalogue System (OPAC). Kath and Nagy (2013) described VuFind software as newly discovered tool usually built to provide a library-Friendly front-end for solr, powerful searching capabilities, it enhances to provide an informative case study on the use of solr in a library setting VuFind Software is just one of many library packages using Solar, and example like backlight, Summon, and the Extensible Catalogue Project show other possible approaches to its used. According to Chickering and Yang (2014) has usually examined the fourteen major discovery tools to both proprietary and open sources software using sixteen bench marking criteria and the finding that help to update librarians on the newly development and library and information centres users' interface and also to assist them in their adoption of VuFind Software as new discovery tool in both the library and information centres.

Components of VuFind Software technology: The VuFind Software combination of the following Four Components mentioned below:

Apache Web Server: it a web saver utilized by VuFind Software to view different web page.

Solar Search Engine: VuFind Software utilized solr search engine to index the record and search information for the clientele. VuFind also interact solr in exactly with same way that web browser with Web Server. To make this possible Solr run inside its own web server software called jetty (Shoeb and Rahman 2016).

PHP Programming Language: This is a Programming Language use to write VuFind Software. To run this programme PHP, need Apache Web Server.

MySQL Database: this is a database Management system uses by VuFind Software for storing data like add tags, leave comments and it's stored in MySQL database in the backend side. It is also house a local application database for integrating social metadata.

Hardware and Software Requirements

Software: VuFind Software is developed different software package and requirements of additional software are different. The details of Software requirement are as stated below:

Hardware: The Minimum requirement for VuFind Software is 2GB of RAM and a few GBs of Disk Storage for a small libraries and information Centres but if will you upload more data then you need to extra RAM and storage Capacity. It is very good Functionality that extremely Scalable you may extend the Capacity of the Functionality as per the requirements.

Benefits of Vu Find Software in the Library System Setting: The benefits of this new discovery Software Called VuFind Usually bring tremendous development in the library and any other information centre setting the benefits are as Follows:

- It is saving the time of the library Users like to consult all the resources.
- It has single access point for all the library resources.
- The library users can browse all the resources by language, Format and Call Number.
- Easy to save the bibliographic data in Zotero Software and tag them easily.
- Library Patrons Can also create their own Account and Managing it.
- VuFind Software also exhibit the status of the documents.
- Another benefit of VuFind Software it is free of Cost so that every library can adopt.
- VuFind Software technology also facilitate Inter Library Loan services among themselves.

CONCLUSION

The benefits of VuFind Software technology In the library cannot be over emphasized because the VuFind became the library resources portal usually designed and developed by Villanova University library. And it's also designed to enable the different categories of library users to search or retrieve and browse through all of the library resources by replacing the traditional Online Public Access Catalogue (OPAC). VuFind Software also Operate with a simple Google-Searching Interface, offering keyword searching, Faceted Searching, suggested resources, Personal Organisation (e.g., Favourite tagging or commenting Features) and offered Versions in Several Languages Including French, Chinese, and Hebrew. Etc.

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