FEATURE AND USE OF OPEN SOURCE SOFTWARE FOR LIBRARY

Mr. Satish K. Chandel[1] Dr. Kishorsingh R. Chungade[2]
Research Scholar, Librarian, Shree Pandharinath Arts & Commerce College, Narkhed.
Research Supervisor, Librarian, Government Vidarbha Institute of Science, &
Humanities (Autonomous), Amravati, (MS), India.
Corresponding Author- **Mr. Satish K. Chandel**
Email:- satish1chandel@gmail.comDO

Abstract:
There is various open source software available for the library applications. Open source software can manage the library repository system, which enhance the quality of any institutional library. It has made easy the library automation system. In this study researcher has explain the definition, short history, feature and advantages of the open source software. There is various kind of open source software for the library. In this study researcher has mainly focused on the study of Koha, Dspace, Greenstone, Fedora, Eprint open source software.

Introduction:
Information Communication Technology changed the face of the world. Information Technology affects the life of people. It also affected the library professional. Now day library are facing the new challenges of digital era. Because of the digital information, traditional way of library automation and management has been changed. Open source software has provided an opportunity to library to change its automation and services. Library automation and management became easier for the library and library staff, and for users. It reduces the stress of the librarian professional and the users also. Because of the changing climate books are also changes its form. For the management of such resources library need to take the advantages of available software. There is different software available for library automation and services such as Koha, Greenstone, DSpace, Newgenlib, Eprint, Fedora, Invenio. Open Source software helps library construction and administrations. It has provided lot of opportunities to capture, catalogue, storage,.

Keyword: Open Source Software

Objectives:
1. To study about the Open Source Software
2. To study about the feature of Open Source Software
3. To study about the need of Open Source Software to library.
4. To study about the usefulness of open source software for the library

Methodology:
For this study primary and secondary data has been used. For the present study various types of data has been use such as e-journals, reports, books, e-papers. Data has been collected from the given sources and find out the advantages, disadvantages, history and feature of particular software.

Open Source Software:
The term "Open Source Software" (OSS) refers to computer applications and operating systems released under terms allowing users to use, modify, or redistribute the software in any way they see fit, without requiring users to pay the creators a fee. It is known as "open source" because the source code – the programming instructions that make the software function – is made available for examination or alteration along with the ready – to – use software itself. (Puckett, 2018)

Need Of Open Source Library software:
Open Source Software helps library in different activities and it makes easier the library activities and the method of housekeeping. It helps library in acquisition, circulation, cataloging and management of different types of material available in the

libraries. It means that open source software enhance library services for the users and for self. It has enhanced the speed and accuracy of the library. Lubanski (2012) rightly stated that, "the use of machines or technologies to optimize productivity in the production of goods and delivery of services." It means that there is a need of Open Source Software for the library automation and services.

Advantages of Open Source Software:
Open Source Software are free to use.
There is a freedom to study and modify the program.
There is no need of license fees.
There is no limitation for open source software.
Open Source Software allow us to work with different system.
Open Source Software High quality software.
Open Source Software are helpful in creating integrated management.
Open Source Software are available in lower costs.

1. Koha:
Koha is the first open source integrated library system create by Kapito for Horowhenua Library Trust in New Zealand in 1999. The cataloguing module of Koha allows adding new bibliographic records to Koha. Koha is very useful software for the library which allows adding new bibliographic records. It allow to access circulation functions in various ways. It also allows transferring the data to the branch of library. It is also facilitated with the Fast Add Cataloging tools. (Yogesh Sharma, Alka Sharma, Manju Sharma, 2018)

Features of Koha:
Koha allows the users to use Online Public Access Catalog for 24x7.
The users can search the fields such as Keyword, Subject, Title, Class, Author, Publisher etc.
It allows the members to reserve library items for future issue.
Member can add an item to the cart. (Yogesh Sharma, Alka Sharma, Manju Sharma, 2018)

2. Greenstone:
Greenstone Software has been developed and distributed in cooperation with UNESCO and Human Info NGO in Belgium. It is open-source, multilingual software, issued under the terms of the GNU General Public License. (http://www.greenstone.org) It is software for library which help library in creation of digital library and distribution of collection. It provides a new way to library to organize and publish information. Greenstone software runs under UNIX and Windows. This software is very easy to use. User can create own files in various formats.

Features of Greenstone Software:
Greenstone software runs all versions of windows, UNIX.
It is highly interoperable using contemporary standards.
Provides full-text searching and metadata based browsing.
It is widely accessible and the collections are accessed through a standard web browser.
It provides the reader interface and librarian interface.

3. Dspace:
The DSpace is a joint project of the MIT Libraries and HP Labs. (Shankar Tramboo, Humma, S. M. Shafi, Sumeer Gul, 2012). It is a management system which provide an opportunity to library to collect, archive, index and allow to spread the intellectual creation of the community. Dspace is able to manage data in text, video, audio and data form and able to distribute over the web. It can preservers our data for long time. (www.dspace.org, 2018)

Feature of Dspace:
Dspace is flexible in use.
Dspace manages digital data.
It is use to create institutional repositories.
Dspace helps to retrieve different kind of digital content.
Dspace can support and deposit in any form of file. (www.dspace.org, 2018)

4. Eprint:
Eprint software is developed by the Electronic and Computer Science department at the University of Southampton. It is available freely under the General Public License (GPL). This software initially designed to create a pre-print institutional repository for research. They have explain about the Eprint Software that, "Eprint software has a flexibility to create high quality repositories. It is known as an easiest and fastest way to set up repositories of research literature, scientific data, student theses, and project reports, multimedia, teaching materials, scholarly collections, digitized records, exhibitions and performances." (Wei, 2011)

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Features of Eprint Software:
Eprint Software is available freely.
It is high quality repository.
It can manage various types of data.
It is run on any UNIX system. (Wei, 2011)

5. Fedora:
Flexible Extensible Digital Object and Repository Architecture (Fedora) software has been developed by Virginia University and Cornell University. Andrew W. Mellon Foundation was provided fund for development of this software. This software is able to manage digital documents. It can manage institutional repositories, archives, published documents in digital forms. With added new feature Fedora released in May 2003 and in June 2004 developed Fedora Phase 2 which funded by Andrew W. Mellon Foundation. (Rajawat, 2017)

Feature of Fedora:
Fedora is easy to managed repository
It enables the storage, access and management of all kind of digital content.
It provides collaboration between creations, management in repository.
It provides easy tools to manage and deliver complex digital objects.
It provides an opportunity of information and services for various kinds of users. (Rajawat, 2017)

6. Evergreen:
Evergreen is a coordinated library framework for public libraries created by the Georgia Public Library Service for use by the Georgia Library PINES Program. It first launched in 2006 and available for every types of libraries such as public libraries, academic and school libraries. The Software is using for classifying, course and support access index applications in the public libraries of Georgia. It is available freely under GNU. It is library automation software using for every types of libraries. It encourages the administration, and indexing. With the help of online public access interface evergreen software users can search their materials. It facilitated to the users to download, view, modify and share the required document.

Feature of Evergreen:
Evergreen Software is available freely.
It encourages the administration and indexing.
Users can download, view, modify and share the required document.

It is facilitated with add item to the library collection.
it is facilitated to the users to find and their required information, books.

Conclusion:
From the above study we came to know that Open Source Software is very useful for the library automation system. Library can enhance its management and repository system with the help of open source software. Each software has it's unique feature and advantages. The software is free and easy to use for the users and library professionals. The software enhanced the library work. It has increased the speed and accuracy of the library automation and services.

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Mr. Satish K. Chandel Dr. Kishorsingh R. Chungade