



INMAGIC to Koha a tales of Migrations

Implementation of Koha ILMS at the University of Agriculture Peshawar

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Sequence of presentation

- » Summary
- » Methodology
- » Introductions / purpose / findings
- » About the University of Agriculture Library
- » Needs for New ILMS
- » Installations, configurations , data migrations
- » Author contribution of FOSS adoption in Pakistan
- » Finding, Recommendations

Summary

- The purpose of this presentation is to explain how the author carried out the implementation of the Koha ILMS at the Agriculture University Peshwar Pakistan Library.
- This practical study tries to identify some elements towards sufficient utilizations and implantations of Koha ILS.
- This practical experience will also examine the challenges and prospects for others LIS professionals for the Koha adoptions in their Libraries.
- Explain strategies towards migrations of data from INMAGIC to Koha ILMS.
- To suggest strategies and solution for successful Koha Implantations

Methodology

The study describes the author's practical experiences regarding the implementation of Koha open-source ILS latest version. The data was migrated from INMAGIC to Koha through different software and tools successfully.

The process for migration of exiting data, implementation, customization of Koha (OSS) , problem and discovering their solutions from various sources, to share customized codes and motivate library professionals to use OSS without spending funds with little effort.

Originality/Value

This is the 23rd successful project of the author in various organizations i.e. Public Libraries, Academic Libraries, School, College and Special Libraries within Pakistan.

The Library is one of the Biggest Library of the country . This will be a mile stone and good symbol for the OSS community of to influence librarian to learn Koha and implement it in their Libraries.

The Agriculture University Peshawar

The University was established in 1981 and one of the prime Institute for agricultural education in the country.

The university have 5 main faculties, 26 department and 3 Institutions.

The University offer Bachelor, Master MPhil and Ph.D Programme in various discipline.

250 phd Students currently enrolled

185 highly qualified faculty members

About the AUP Library

The Biggest library of Khyber PakhtoonKhwa Province Pakistan.

It's a two stories building with equip modern library facilities. AUP library is the center for intellectual pursuits on campus. The library provides state of the art library information services thousands of users, faculty members, researcher, extension workers, farmers, policymakers, and general public.

The Library is one of the best complexes in the University building and located is the center of the campus.

The library has a good number of personal computers, latest books on different subject, Thesis and other information mistrials. The collection of the library is approximate 0.15 million.





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Need for new ILMMS - Koha

- There were several problems faced due to existing software for routine works of the library and user based services. Some of the major problems are:
- Lack of Web OPAC.
- Module for browser based searching throughout the campus.
- Lack of good configuring features to set circulation privileges for various type of users and documents.
- Lacking more features and flexibility related to fine management.
- Lack in User friendly and non-standard Cataloguing module.
- Lack of features related to Bar-code and User ID card generations and configurations.
- Integration with RFID
- And many others

Installation and testing of Koha

- The major challenge was to gain reasonable knowledge of INMAGIC architecture and install KOHA on LINUX.
- The Live DVD of koha and Dspace on Ubuntu (LIBSOL) made by the author and team and available online make the task easier.
- A testing server was made in order to test the data and all other technical work for the period of one month.
- Configurations, Administration and management was done according to the requirement of the software and library.

Data Migration

- The trickiest part of the whole process was migration of data from the existing system to the new one. The existing ILMS database was based on MS-DOS format and it was an huge challenge to export the data in to MARC format.
- The Library used the old version of InMagic so we create the same structure for the data in DB/TextWorks.
- We adopt different methods and tools to export the data B/Texwork
- The data was export to Excel format in the first phase. After that the data was arranged according to the koha filed.
- In the second phase the whole data was converted to CSV, MRK and than MARC 21 successfully.
- Finally the data was import through Stage Marc Record Import modules successfully.

Major findings

The main finding of this study is:

- Koha is an international standard open source software and has those functionalities which can fulfill the library automation need of all kind of libraries.
- Other librarians can easily implement Koha in their libraries.
- The data conversion of INMAGIC to koha will be help other librarian to implement koha in their libraries
- Integration with RFID is now easy for those who already use koha in their libraries
- The AUP Library is one of the largest library of the Country which will be a mile stone for the others libraries and librarian to implement OSS in their libraries.

Implications/Conclusions

This practical experience will help librarians to implement Koha in a practical way to their libraries.

The author implemented Koha at the AUP Library within six months, and used migrated data from Computerized Documentation System/Integrated Set of Information System to MARC-21 for books .

This practice will influence librarians to learn Koha and implement it in their libraries might be able to plan a similar project with some of the migration outsourced.

The Author would be glad to talk to libraries considering migrating to Koha across the country/globe.

Author Contribution regarding FOSS Adoption In Pakistan

- The Libraries automations in Pakistan was started during the 1980s and 1990s.
- The International agencies (Asia Foundation, the United States Agency for International Development (USAID), the British Council, the United States Education Foundation (USEF), UNESCO, the International Development Research Centre of Canada, and the government of The Netherlands) also help in the automations process during the period of 1996-1999).
- After 2008 the Open Source Software especially “Koha” and Dspace was introduce in the market .
- FOSS Movement is spreading slowly but steadily in Pakistan. A large numbers of training sessions, workshop were conducted in various organizations i.e. Govt and semi Government to introduced koha an open source Library Integrated Software.

Author Contribution regarding FOSS Adoption In Pakistan



Details	Total	Remakes
Total Number of Training/workshop/Seminar conducted	60+	From 2011 to 2017 a large numbers (60+) of training/workshop was organized in various organization by the Author. The key role were played by the Akhter Hameed Khan Resource Center and Higher Education Commission Mr Hameed Ullah Khattak (Librarian AHKRC) and Mr Javed Iqbal Director Libraries. The center conducted more than 40 + extensive training workshop on OSS (Koha).
Total LIS and IT professional Trained	654	A large number of Librarian, Para Professional and IT staff were trained during these training workshop in order to promote OSS in Pakistani Libraries.
Koha ILMS Project successfully completed	26	The Author successfully implement Koha and integrate with RFID at various prestigious organizations i.e. Government, Sami Government, Universities, Public and Special Libraries . Some of the main are: Bahria University Libraries, SMIU University, Lawrence College Murree, Agricultural University Peshawar, The University of Malakand, Pakistan Institute of Parliamentary Services and many others.
Daily Online Queried Responded	5 to 8	On daily basis we received 5 to 8 quarries about the Koha and Dspace and every individual were provided the assistant and solutions accordingly.

Author Contribution regarding FOSS Adoption In Pakistan



Details	Total	Remakes
Koha ILS and DSpace Community Facebook group founder	1	A Social Media page were created in order to facilitate the LIS community in Pakistan . Now the total member of the Group is 1300 + .
Koha and DSpace free LIVE DVD	2	We make a custom LIVE DVD with all modern features i.e Automatic Backup, PHP My Admin , koha banners changing and others facilities in order to the easy installations and practice of koha ILMS.
Organizations supported for the Koha Implantations	15	A large number of organization were directly supported for the installation, Data migrations, and others customizations free of cost.
Koha Blogs free services		To shear a best practice experience a Koha blogs is crated to facilitate the LIS community. www.blog.fullstack.com.pk

Upcoming Plans

Koha Conference in Pakistan:

Pakistan Koha (OSS) Summit 2018.

Upcoming Koha Projects:

- Pakistan Ordinance Factory Wahh Cantt
- CECOS University

THANKYOU FOR YOUR ATTENTION

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