Proposal for automating

MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE (Guntur)

Library & Information Centre

Installation of Koha 18.11 (Latest stable version): An Open Source Web Based Integrated Library System (ILS) on Ubuntu 16.04/Ubuntu 18.04 LTS Distribution of GNU/Linux Operating System

To

- improve the quality of existing library services
- cater to the ever growing users' information needs effectively, in an efficient, useful and timely manner.

To,

The Principal, Malineni Lakshmaiah Women's Engineering College Guntur - Prathipadu Rd, Pulladigunta Andhra Pradesh - 522017

Sub: Proposal for automating the Library using Koha

Respected Sir,

Being a Science Graduate and a Library Professional I became very passionate about improving the quality of library services through library automation. During my vast Library Professional career I came across many library automation software tools which I throughly exploited and made full use of them in the betterment of library profession.

The following are some of the most prominent open source library software that I used:

- **Koha** (Integrated Library Management System) [Origin: *Horowhenua* Library *Trust*, *NZ*]
- ➤ **Evergreen** ((Integrated Library Management System) [Origin: Georgia Public Library System, Georgia (Country)
- ➤ **dSpace** (Digital Library Software) [Origin: *Massachusetts Institute of Technology* and HP]
- ➤ **Eprints** (Digital Library Software) [Origin: University of Southampton, School of Electronics and Computer Science]
- ➤ **Greenstone** (Digital Library Software) [Origin: University of Waikato, NZ]
- ➤ CDS/ISIS (Cataloguing tool) [Origin: Developed, maintained and disseminated by UNESCO]
- ➤ **ABCD** (CDS/ISIS based Library Automation Software) [Origin: Developed, maintained and disseminated by UNESCO]
- ➤ **GENISIS** (Web based front-end tool to publish CDS/ISIS databases) [Origin: Developed, maintained and disseminated by <u>UNESCO</u>]
- ➤ **VuFind** (Villanova University Library Discovery Software)
- ➤ **Blacklight** (Library Discovery Software) [Origin: Multi-institutional open-source collaboration]
- ➤ **Calibre** (e-Book Library Software) [Origin: India]
- ➤ **MarcEdit** (Machine Readable Cataloguing Tool) [Origin: Oregon State University]

Over the years I gained a lot of experience in installing and implementing several open source library automation software not only in the library in which I was working but also in many other libraries. I helped many librarians in modernizing their libraries. I was particularly involved in installing, troubleshooting, migrating, customizing Koha ILS and generating various custom reports for various client libraries.

So far I have installed Koha in about 20 institutions including schools and colleges. I am listing some of them here for your kind information:

- ✓ Malla Reddy Engineering College, Hyderabad
- ✓ Malla Reddy Engineering College for Women, Hyderabad
- ✓ Malla Reddy Institute of Engineering & Technology, Hyderabad
- ✓ Malla Reddy Institute of Science & Technology, Hyderabad

- ✓ Malla Reddy College of Engineering, Hyderabad
- ✓ Narasimha Reddy Engineering College, Hyderabad
- ✓ Malla Reddy College of Pharmacy, Hyderabad
- ✓ Malla Reddy Institute of Medical Sciences, Hyderabad
- ✓ Malla Reddy Institute of Technology, Hyderabad
- ✓ Samskruti College of Engineering & Technology, Hyderabad
- ✓ Kesav Memorial Institute of Technology, Hyderabad
- ✓ Neil Gogte Institute of Technology, Hyderabad
- ✓ KL University, Vaddeswaram, Guntur District
- ✓ Pragnya Montessori School, Hyderabad
- ✓ Bharatiya Vidaya Bhavan School (Bhavan's Atmakuri Rama Rao School), Hyderabad
- ✓ Chebrolu Hanumaiah Institute of Pharmaceutical Sciences, Guntur
- ✓ Sri Dutta Institute of Engineering & Sciences, Hyderabad

With this technical and professional background I take this opportunity to propose the installation of the latest stable version of **Koha** the World's most popular Open Source Integrated Library Management System at your esteemed Institution to automate your Library.

Even though Windows version of Koha is available and the Librarians are more familiar and comfortable using Windows Operating System, I still recommend the Linux Version of Koha. This is because the more advanced Koha Version 3 and the later versions are not made available for Windows platform. There is nomore development going on for version 2 of Koha and therefore support for Windows Versions of Koha have ceased to exist. Koha Version 2.2.9 is the last version available for Windows. There is a huge difference between Koha version 2.2.9 and the current Linux version 19.05 of Koha in terms of number of facilities, improvements and conveniences it provides. In addition Linux is a very stable Operating System and it is less vulnerable to virus. Koha version 18.11 is more stable compared to the latest version 19.05 as the later is very recent. Therefore I propose to install Koha version 18.11. If needed it can be easily upgraded to the later version at any time.

I would like to offer my services online for installing the software using Teamviewer software. For this purpose, I require a Computer System preferably a modern Intel PC with Internet connectivity, pre-installed with Ubuntu 16.04/Ubuntu 18.04 LTS and Teamviewer software. I am sure your System Administrators are well versed in Installing Linux OS. The system should have at least 4 GB RAM for a faster response and the swap partition is either equal or double the size of the RAM (for RAM less than 4GB). You must be aware that there is no long term support provided for the latest Ubuntu 19.04 version. Hence it is better to avoid using that version.

Once these prerequisites are satisfied I will start installing Koha software from online repositories to create a production instance of the application in your local machine. I will then migrate all your bibliographic and holdings data from your Excel Spreadsheets. Then the Library Patrons' data and their photographs will be uploaded to the server to facilitate the circulation function.

Training:

Staff training will be conducted online any time at the convenience of your library staff after the installation and migration of data is completed. They get a thorough hands-on experience using the software. The staff can also contact me at any time later and I will be pleased to clear their doubts.

Thank you for your kind interest and support in automating your esteemed library and I sincerely hope that I will be given an opportunity to serve your Institution. I promise to give you the best service possible. Please find attached a detailed quotation for installing Koha ILS at your site for your kind perusal.

Thanking you, Yours faithfully,

T. JOGI RAJU

Encl: Quotation No. Koha/installation/MLWEC/2019-11-16/02 for Rs. 10,000/-

About Koha:

Official Web-site: https://koha-community.org/

Koha is the first free software library automation package. In use worldwide, its development is steered by a growing community of users collaborating to achieve their technology goals. Koha's feature set continues to evolve and expand to meet the needs of its user base. In the development of this software, contemporary web technologies and recent meta-data and interoperability standards, web protocols have been used.

Koha is a true enterprise-class ILS with comprehensive functionality including basic and advanced options. Koha includes modules for acquisitions, circulation, cataloging, serials management, authorities, flexible reporting, label printing, multi-format notices, offline circulation for when Internet access is not available, and much more. Koha will work for consortia of all sizes, multi-branch, and single-branch libraries.

Over the years Koha has become the world's most popular open source integrated web based library management system (ILS) used by libraries worldwide.

Koha supports various international library *standards* and protocols such as MARC 21, UNIMARC, z39.50, SRU/SW, SIP2, SIP/NCIP.

Koha's features and functional qualities are beyond compare. Koha stands out as the most sophisticated system based from the user evaluation.

The end user can gain more control over the ILS. Koha empowers the library staff to have control over the entire library collections and operations.

Customization is possible according to the requirements of the library.

In addition to storing and providing access to bibliographic information this software also allows you to upload and organize article collections and adds the ability to place article requests.

Koha system will help library staff to facilitate basic housekeeping function of the library effectively.

Koha helps to avoid redundant activities and save time and effort of the library staff. It enables them to provide the users with more information, more quickly, and in more convenient and sophisticated ways – there by saving the time.

Koha helps improve productivity of library operations and provide quick and convenient access to library catalogue.

Koha needs less manpower to manage. It is cost effective.

Library staff can easily retrieve and disseminate the needed information of the users.

Users can browse, search and retrieve bibliographic as well as circulation information, make online suggestions, renew and place online requests for reservations from any where, at anytime, over the Internet using a web browser.

Online public access catalogue is a part and parcel of the Koha library system.

With koha, the library users will be able to take advantage of the competitive scholarly research conveniences built into modern library system.

Koha currently can be installed in Linux platform only. However it is possible to install it in Windows 7 and above using Docker Container Visualization solution.

Latest version of the software supports Digital Library Functionality.

Other features of the software:

- ➤ **Library Standards Compliant.** Koha is built using library standards and protocols such as MARC 21, UNIMARC, z39.50, SRU/SW, SIP2, SIP/NCIP, ensuring interoperability between Koha and other systems and technologies, while supporting existing work flows and tools.
- ➤ **Free Software / Open Source.** Koha is distributed under the Free Software <u>General Public License (GPL) version 3 or later.</u>
- > Supports import of MARC21 bibliographic/authority records in to library catalogue with ease.
- ➤ Supports export of bibliographic/authority records from koha library catalogue in MARC21 format.
- ➤ Supports uploading of digital objects such as text files, images, pdf, word and other document files and allows for article requests.
- > It takes the help of industry standard MySql RDBMS back end to efficiently store and retrieve the data.
- ➤ **Full text searching** Powerful searching, and an enhanced catalogue display that can use content from Amazon, Google, LibraryThing, Open Library, and Syndetics, among others.
- ➤ Works flawlessly on free / open source Linux Operating systems.
- ➤ **Web-based Interfaces.** Koha's OPAC, circulation, management and self-checkout interfaces are all based on standards-compliant World Wide Web technologies—XHTML, CSS and Javascript—making Koha a truly platform-independent solution.
- ➤ Allows multilingual data entry, storage and retrieval in Indic languages.
- ➤ Supports copy cataloguing through Z39.50 protocol from external servers.
- ➤ Supports Barcode / RFID Technology for automated circulation. User/Collection Barcoads can also be generated using Koha software.
- ➤ Online user manuals are available for all the versions including the latest version Koha 19.05. They are complete in all respects and extremely useful.
- ➤ Koha community reports library is an added advantage in koha for the library staff to quickly build their own custom reports with ease.

Quotation No: Koha/installation/MLWEC/2019-11-16/02

S. No.	Description	Amount in INR
1	Installation of Koha ILS (Version 18.11), Apache Web Server (Version 2.4), MySql/MariaDB Server and Postfix e-mail Server (for sending email alerts to the library borrowers) and OPAC customization	₹. 5000.00
2	Migration of Bibliographic data (Conversion of bibliographic records to MARC21 format and Importing them to Koha Catalogue) from existing backup.	
3	Uploading Borrower Data and Photographs to Koha Server	
4	Customization of Koha with installation of Library Gate Register Application and Mibew Messenger/Library Chat Service.	
5	Installation of Koha Plugins for Automated Database Backup & Mega Secure Cloud Storage, Ask a Librarian feature (for obtaining feedback from the library patrons) and display of Carousel (book cover images) at the OPAC main user block.	
6	Staff training and support	
Total	Rupees Ten Thousand Only	₹. 10,000,00

Kindly make payment online to my following Bank Account after completion of the installation:

A/c No.: 711402010000245

A/c Holder: TALLAPRAGADA JOGI RAJU

BANK: Union Bank of India, Malla Reddy Engineering College, Maisammaguda Branch,

Secunderabad

IFSc Code: UBIN0571148

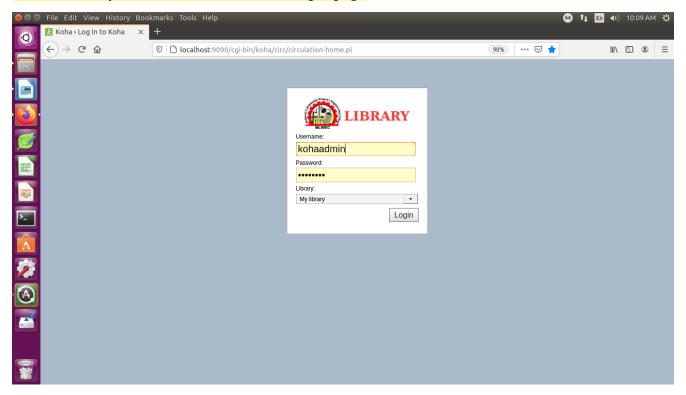


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Koha Software Screenshots

Koha - Library Automation Software – Login page

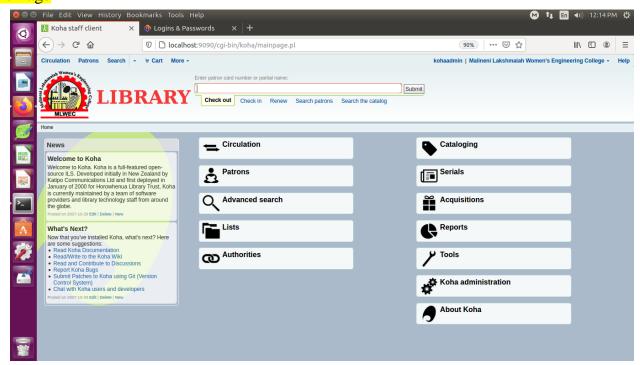




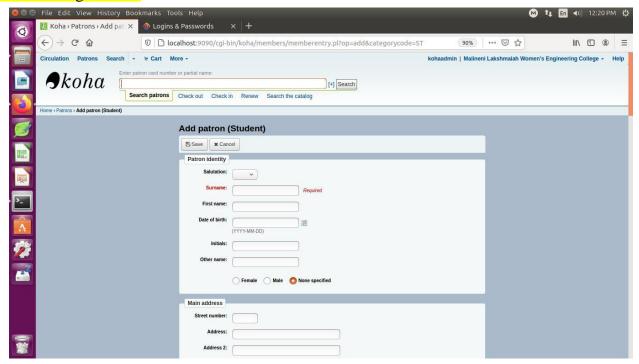
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Home Page



New Patron Registration

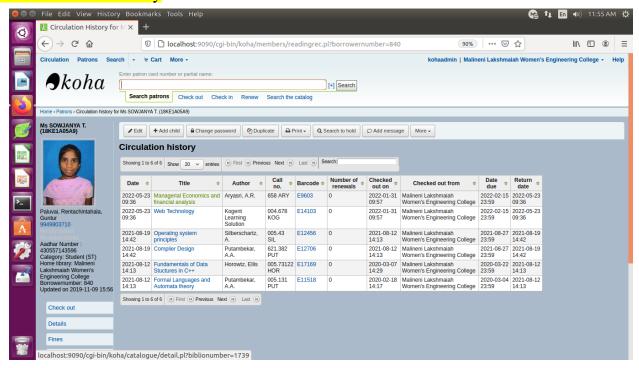




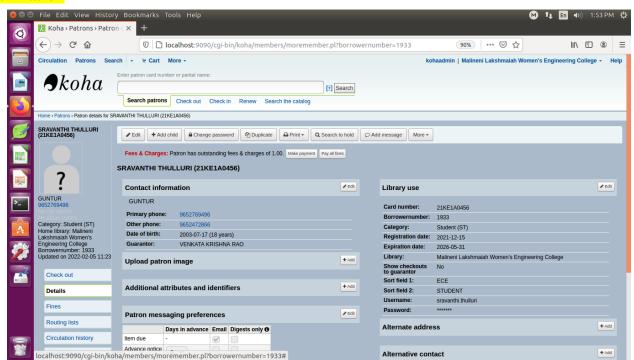
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Student Circulation History



Search Patron

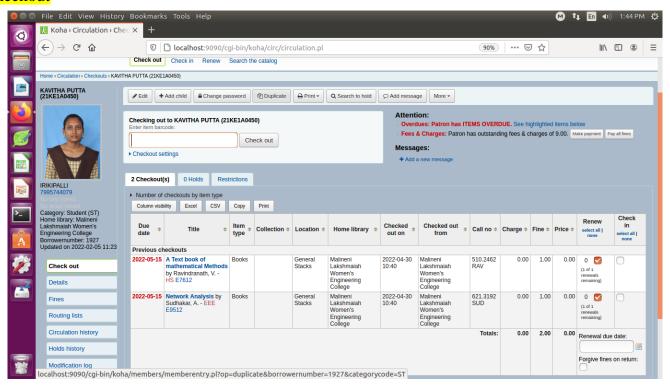




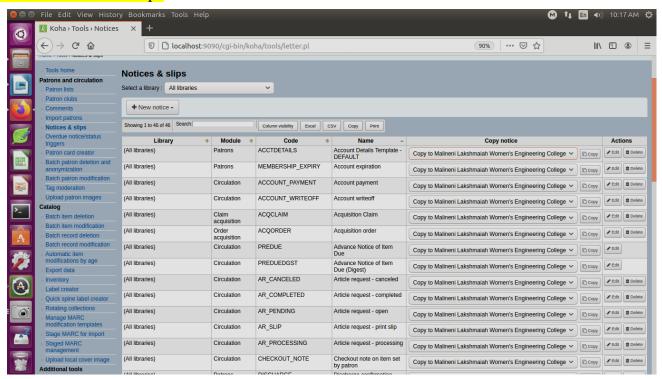
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Checkout



Types of Notices and Slips

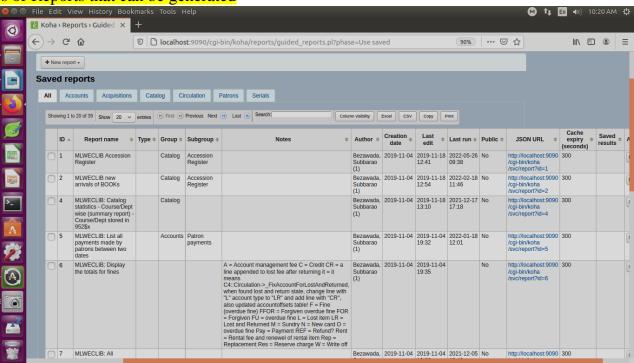


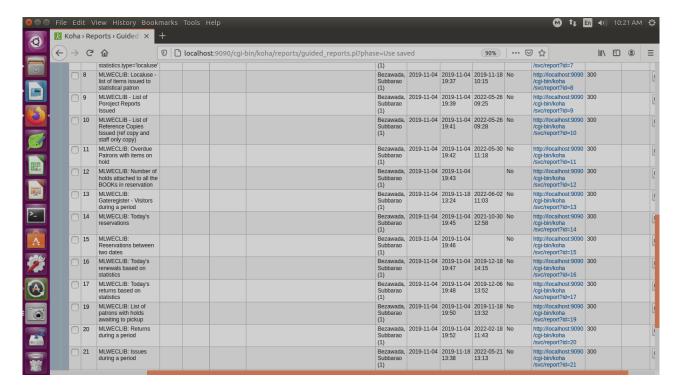


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Types of Reports that can be generated

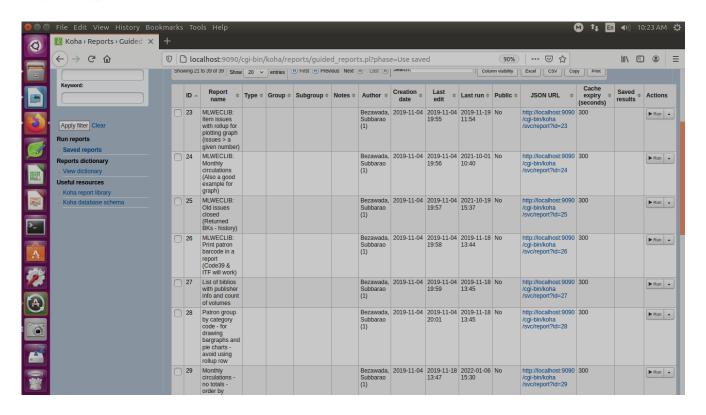


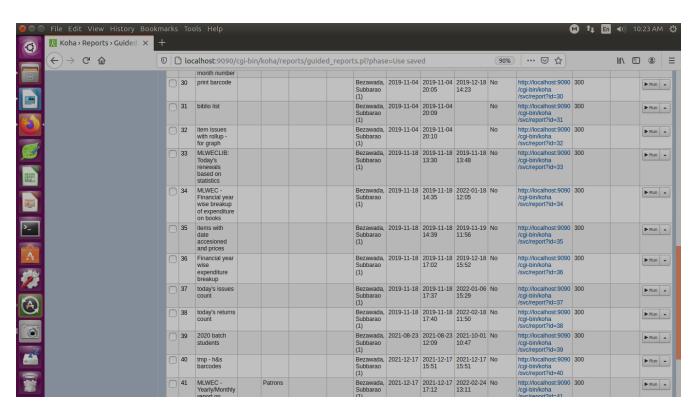




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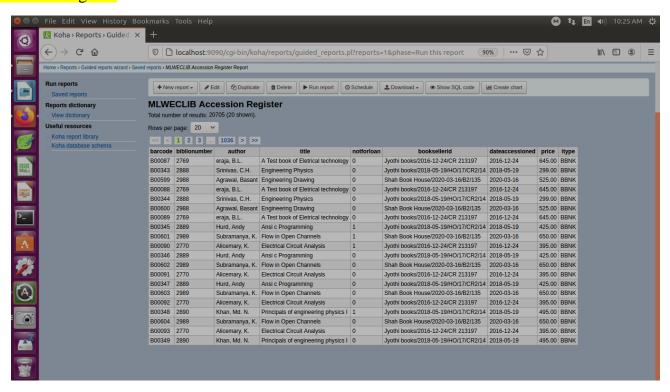




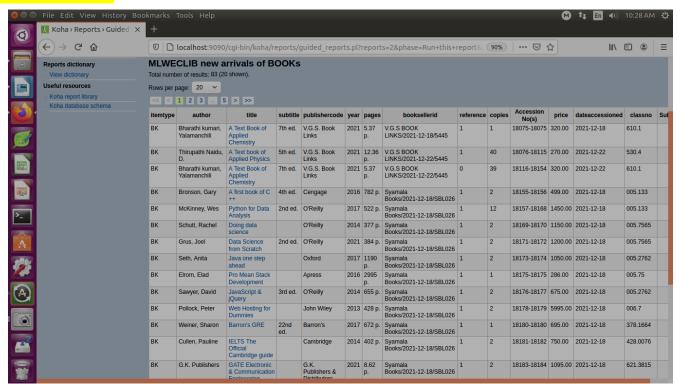
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Accession Register



New Arrivals List

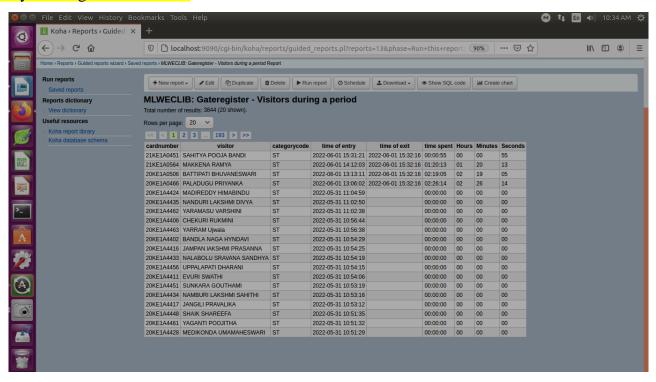




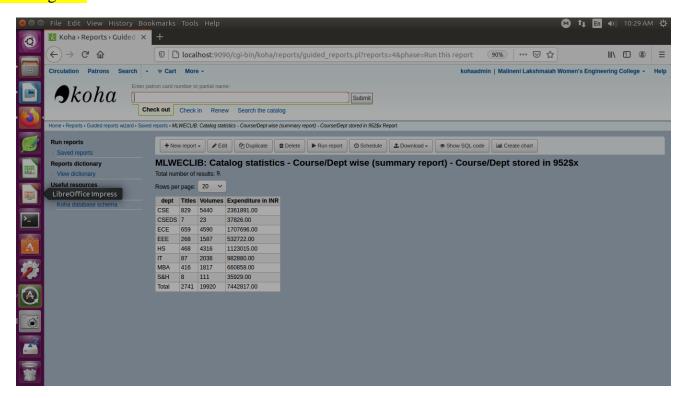
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Library Catalog – Branch wise



Gate Register

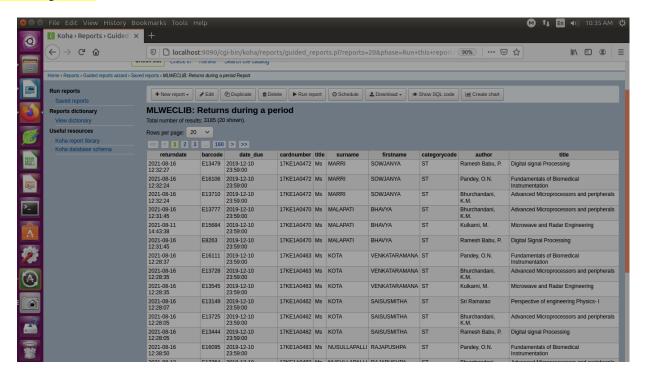




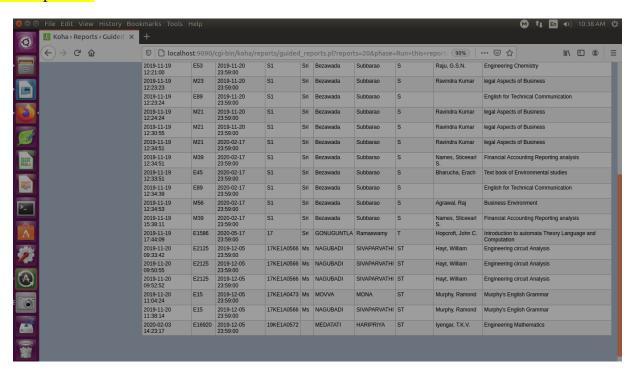
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Returns Report -1



Returns Report - 2

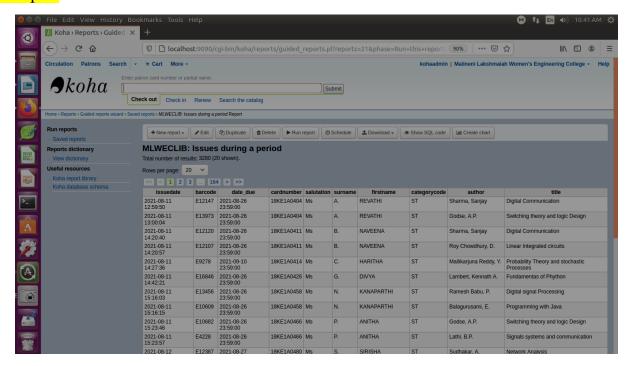




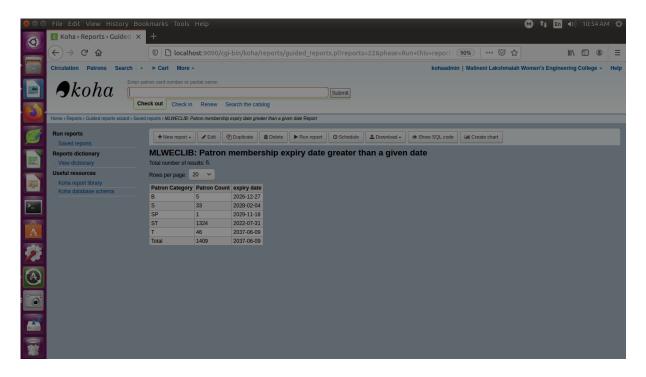
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Issues Report



Patron Expiry Date

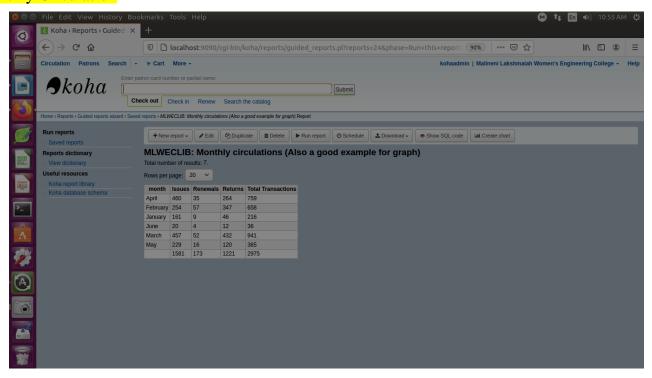




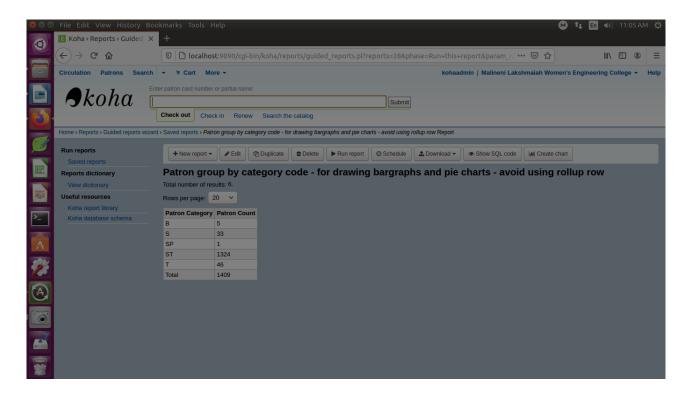
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Monthly Circulation



Patron Group – Category Wise

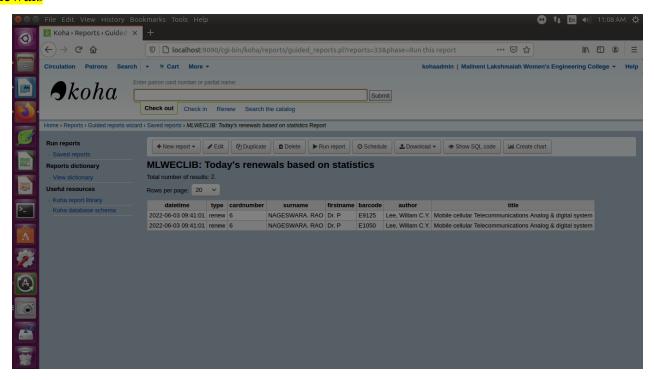




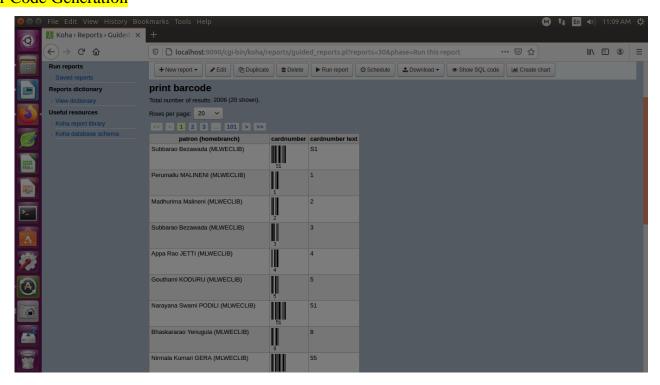
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Renewals



Bar Code Generation

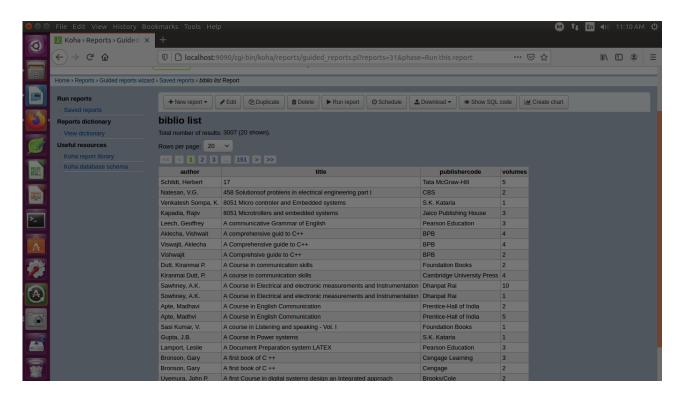




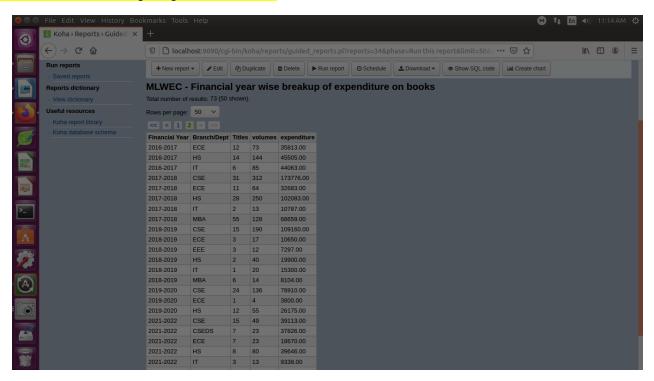
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Bibliography List



Financial Year Break-up Department based





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Accessioned date and prices

