NGL Open Source

Verus
&
Kesavan Institute for Information and Knowledge Management (KIIKM)

At: EIFL Webinar

Speaker: Siddartha
Mission

- Empower libraries to use web-based technologies to improve access to information and library services to users
- Enable librarians to better manage library resources/services using
  - Best practices
  - Adopting global data and other standards
- Help budget-deprived libraries worldwide to apply current technologies via the open source platforms
NGL Features

- Users' The GUI (OPAC) for users is completely web based
- The Librarian’s Interface is a web-based rich client developed in Java Swing
  - The client has many intuitive and customizable elements in the different functional modules
  - Help is provided at all points of the client interface
Librarian Interface and Web OPAC
NGL Features

Multi-lingual support: Supports Unicode 4.0
NGL Features

- Multi-library & Multi-location support
- Automated Email dispatch integrated into various functions
- SMS dispatch integrated into various functions. Application can be integrated to SMS Internet Gateways
NGL Features

Extensive use of set up parameters enabling easy configuration of the software to suit specific needs, e.g., in defining patron privileges.
NGL Features

- Supports multi-user and multiple security levels
- Barcode Printing and Id card printing
- No limit on number of records in any functionality
NGL Features

- Android app available to access library catalogue on mobile phones/tablets
- Application integrated with Twitter
- Authentication
  - Standard User Id and Password authentication
  - IP Address based authentication for library clients
  - LDAP enabled authentication for Users
NGL Features

• Rapid searches of very large catalogue databases possible because of Search Engine-based indexes created automatically

• Affordable: Uses all open source and free components

• Contemporary Technologies based: Uses enterprise platforms based on Java Technologies

• Platform independent: Runs on Windows and Linux
NGL Features

- SIP2 protocol enabled
  - Quick RFID Integration
  - Supports unlimited number of RFID clients
- Form letters templates are completely customizable (Example: Check out slip)
  - Print letters
  - HTML
  - Messages
NGL Technologies

- J2SE 6.0
  - Swing
- J2EE
  - Servlets
  - JSPs
  - Struts framework
  - Spring framework
  - Hibernate
- Apache Tomcat Server
- Open Office
- Jakarta POI
- Jasper Reports
- Java Mail
- Solr
- Postgresql
- XML – JDOM
- JSON
NGL Features (Technology) Diagrammatic Overview

- **Client**
  - NGL Librarian Interface
    - Java SWING based Rich Client
    - Uses JRE 6.0

- **Data compressed / Check sum logic applied before transmission**

- **Server**
  - Java based web server
  - Spring framework based business objects
  - Hibernate framework ORM

- **Java 6.0 Platform**

- **Web OPAC**
  - Currently Struts Framework, JSP based
  - From 3.0.4 its going to be changed to Freemarker template based

- **Postgresql Database Server**
  - 8.x or 9.x

- **NGL Desktop Reports Application**
  - Java SWING Rich Client

- **NGL Workbench Utility Application**
  - Java SWING Rich Client
NGL Features (Standards)

- MARC21 – Bibliographic data
- MARC21 – Authority data
- MARC21 – Holdings
- Z39.71 – Holdings statement display
- SRU/W
- MODS 3.0
- ISBD – International Standard for Bibliographic Description
- OAI – PMH (Managing Digital repositories)
NGL Functional Modules
Cataloguing
Circulation

- Check-Out (Issue)  Ctrl+O
- Check-In (Return)  Ctrl+I
- Reservations
- Renew Loan  Ctrl+R
- Binding Management
- Recall Document
- Collect Overdue
- Weed Out
- Inter library loans (ILL)
- Report Loss of Items
- Record Reference Material Usage
- Requests For Check-Out
Serials Management

- Process New Subscriptions
- Order Subscriptions
- Receive Invoices
- Register Serial Issues
- Serials Binding Management
- Add To Renewal List
OPAC related Administration
Administration
OPAC – Faceted Searching

Refine results by

Sub location
- General Reading (92)

Shelving location
- stacks (92)
- Dept of Biotechnology (2)

Author
- Gaonkar, Ramesh S. (1)
- Brey, Barry B. (4)
- Hall, Douglas V. · · · · · (3)

Subject
- Microprocessors (4)
- Computer interfaces (2)
- Intel 8085 (Microprocessor) (2)
- Microprocessors-Problems, exercises, etc. (2)
- Pentium (Microprocessor) (2)

Nature Of Contents
- Bibliographies (3)
A better India, a better world/ N.R. Narayana Murthy. भेतले विश्व भेतले विश्वले बोरलट

Physical description: xxiii, 290 p. 24 cm.;
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Author(s): Narayana Murthy, N. R.;
ISBN: 9780670082834; 067008283X;
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India--Economic conditions--1991; India--Economic policy--1991; India--Social conditions; India--Social policy;
Publisher: New Delhi, India: Penguin Books India: Allen Lane, 2009;
Call number: 330.954;
Type: Book
Available At: Dept. of Architecture
Availability: View details
Reviews: ★★★★★ (0 reviews) View/Add reviews

Quick view | Tag This Record | Add To Favourites | Reserve this Item
Print Record | Email Record | Add Record To Buffer (You can print all records in buffer) (You can print all records in buffer)
NGL End-of-day Process (Your Assistant)

- Runs everyday automatically
- Sends Over due notices
- Sends Reminders for renewals
- Send Reservation intimations
- Closes unclaimed reservations
How to install NewGenLib

Step 1: Go to
http://www.verussolutions.biz/kb/

Step 2: Click on
Installation Tab → Installation
NewGenLib Adaptation Program

Our responsibility does not end at giving you an Open Source ILS.

It begins....
NewGenLib Adaptation Program

- 32 hour program
- We will do
  - Installation
  - Data migration
  - Training – Say good bye to reading long manuals
  - Support
- All services provided on line free of cost. NO CONDITIONS whatsoever
NewGenLib Adaptation Program

Register at
http://www.verussolutions.biz

Click on the link
NewGenLib Adaptation Program

And enter your details
Thank you

Visit us at: www.verussolutions.biz
All queries to: info@verussolutions.biz

Wishing you all a
“Happy Library Management”
Adoption of Open Source Integrated Library Management System (OS-ILMS) (Why NewGenLib?) for an Academic Library: a case study of SDMIMD

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Requirements Specified by SDMIMD Library

1. Migration of bibliographic data from WINISIS
2. Need for an OSILMS that was compliant with data and access standards:
   ✓ MARC 21
   ✓ Z39.50
   ✓ OAI PMH
3. Compliance with interoperability standards
4. Meet the functional needs of academic libraries, if necessary via customization
5. Support to the idiosyncrasies of Serials and need for better control in their management
Requirements Specified by SDMIMD Library *(Contd.*)*

6. Good technical support for trouble shooting with a turn around time of 24 hours
7. Regular upgrades, bug fixing, customization services
8. Training from skilled practitioners
9. Ability to inter-operate with other servers – CD Mirror Server, Knowledge Portal, EERPMS (Educational Enterprise Resource Planning Management System) of SDMIMD
Candidate Software Selected for Evaluation

1. Evergreen
2. Koha
3. NewGenLib
4. PMBILS
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<th>Functionality</th>
<th>No. of Features</th>
<th>Weighted Importance</th>
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Shri Dharmshthala Manjunatheshwara
Institute for Management Development
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Performance of Koha & NewGenLib

![Graph showing performance of Koha & NewGenLib with different categories like inadequate functionality, adequate functionality, conditional functionality, and more than adequate functionality. The graph includes performance scores for Circulations, Technical Processing, Viability Indicators, and Series Control. The categories are represented with different colored dots: Evergreen (green), Koha (red), NewGenLib (yellow), and PMBILS (blue).]
Performance of Koha & NewGenLib

- Inadequate Functionality
- Adequate Functionality
- Conditional Functionality
- More than Adequate Functionality

Evergreen  Koha  NewGenLib  PMBILS

ACT CONDITIONALLY

PUBLICIZE
Performance Scores of OSILMS for Product Evaluated

Average Performance Score (3.06) median to identify the best performance

Performance Scores

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DI = Weighted Factor

Best Performers: Koha, NewGenLib
Low Performers: Evergreen, PMBILS, PMBILS, PMBILS
NewGenLib at SDMIMD Library, Mysore

1. NewGenLib has been with SDMIMD for over 6 years now.
2. It has been successfully integrated as one of the OS Software suites in SDMIMD’s Knowledge Organization and Management.
3. Migrated the entire bibliographical data from WINISIS with improved metadata quality thanks to access to international metadata resources.
4. Micro-documents and other intellectual output of SDMIMD has been integrated into a single searchable database.
5. The acquisition and circulation functionality has been fine-tuned to SDMIMD’s requirements.
6. Improved versions of NewGenLib provide the Web 2.0 features in OPAC.
7. It addresses the idiosyncrasies of Serials control extremely well.
8. The training and remote desktop support has brought in the best practices into library administration and document maintenance at SDMIMD.
Many thanks

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