NGL Open Source

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

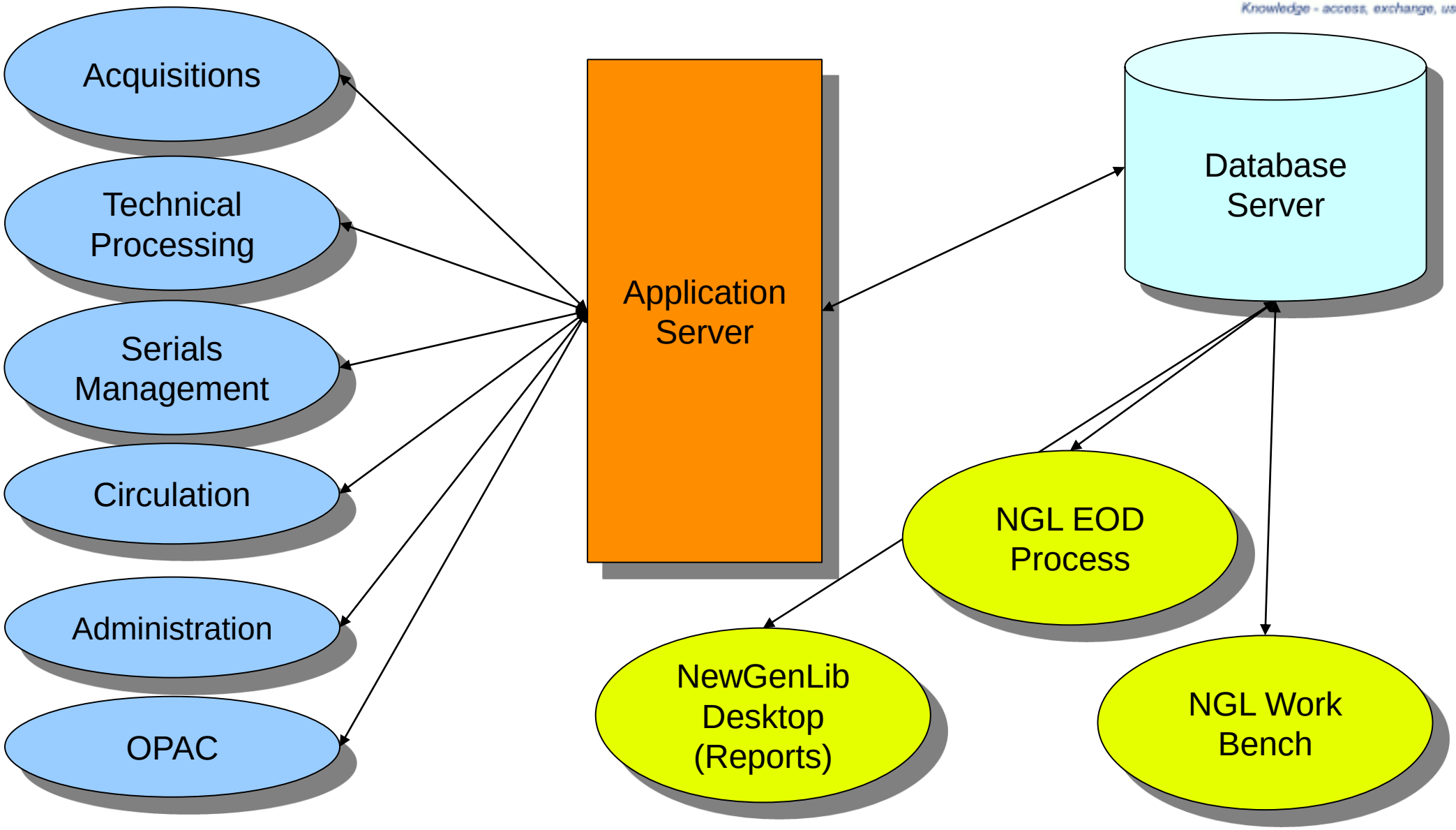
At: EIFL Webinar

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

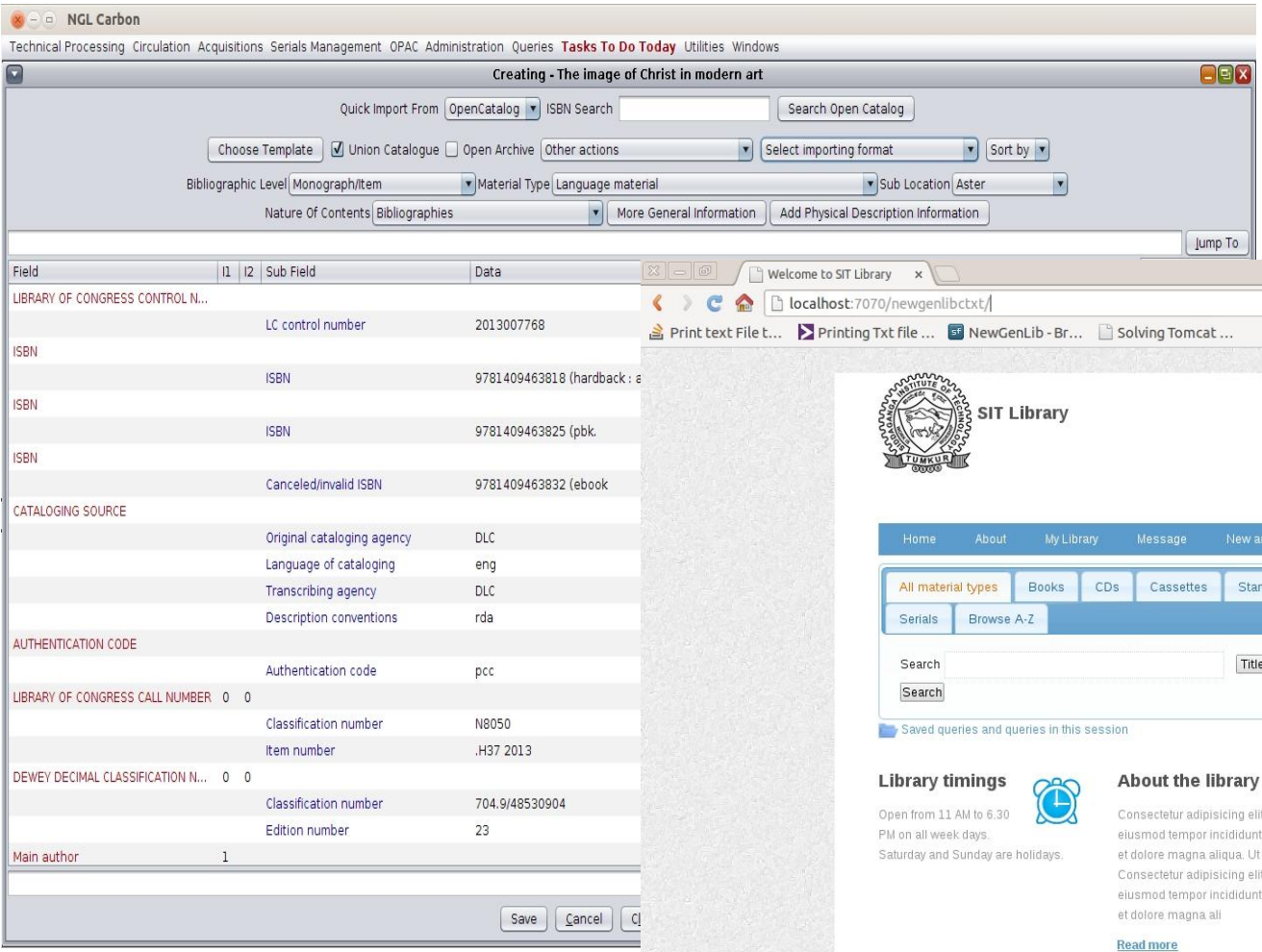
Functional modules

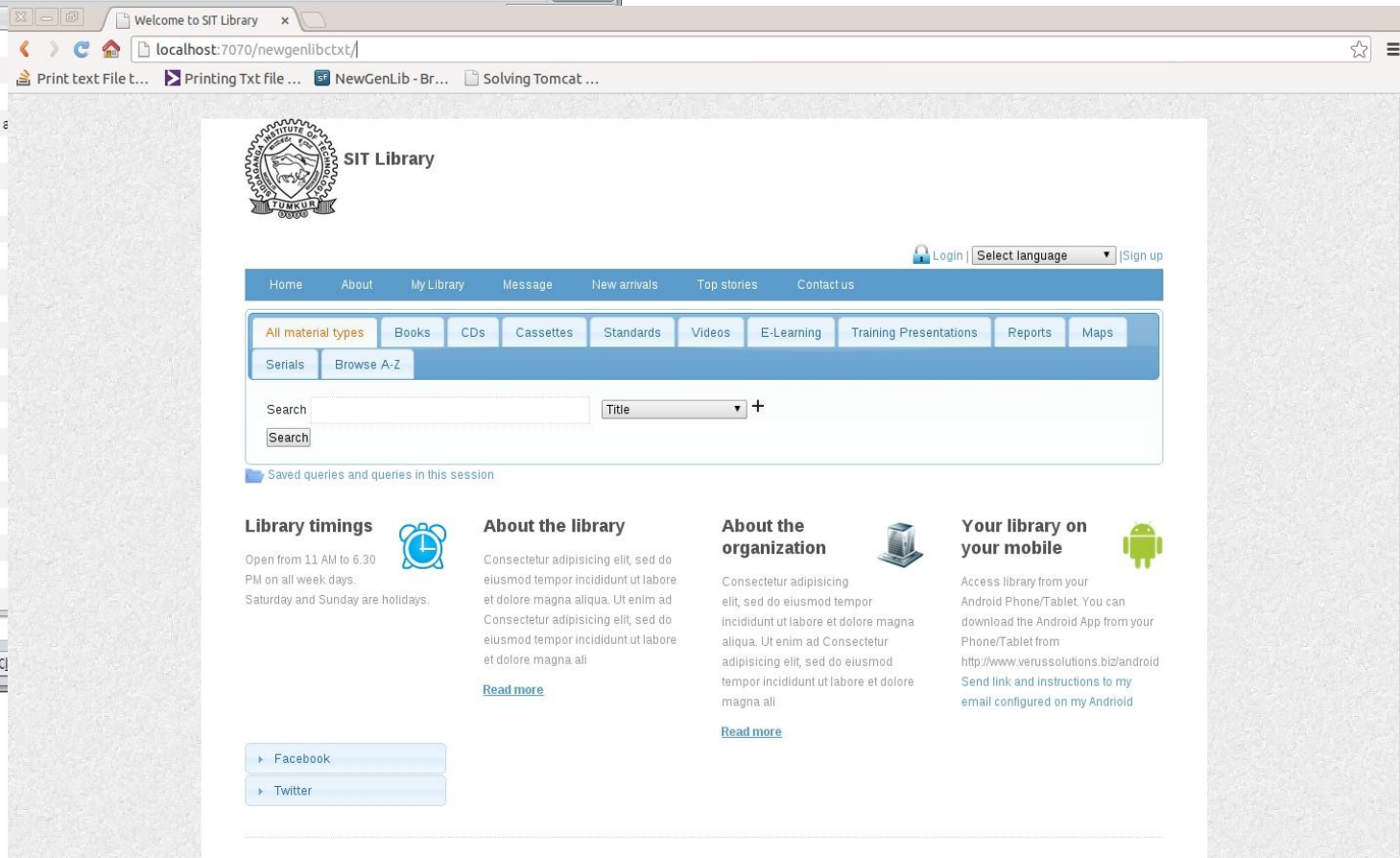


NGL Features

- 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

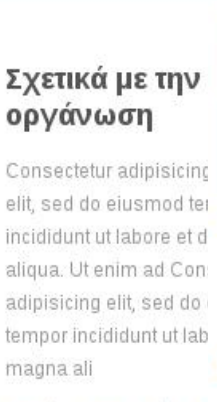
Librarian Interface and Web OPAC

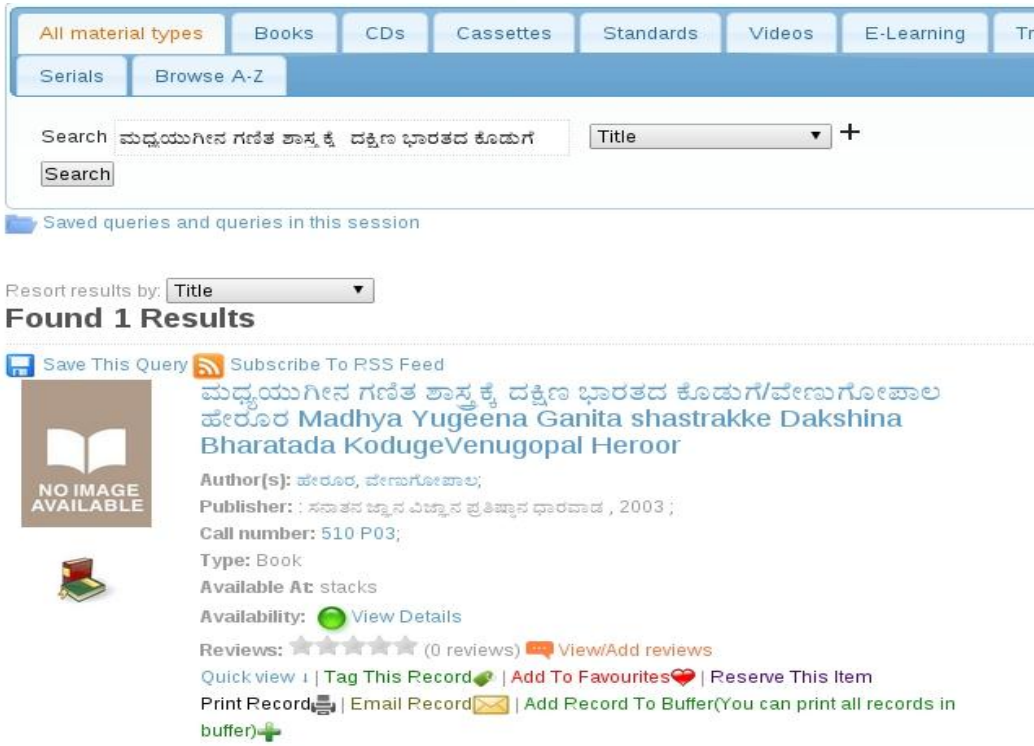




NGL Features

Multi-lingual support: Supports Unicode 4.0



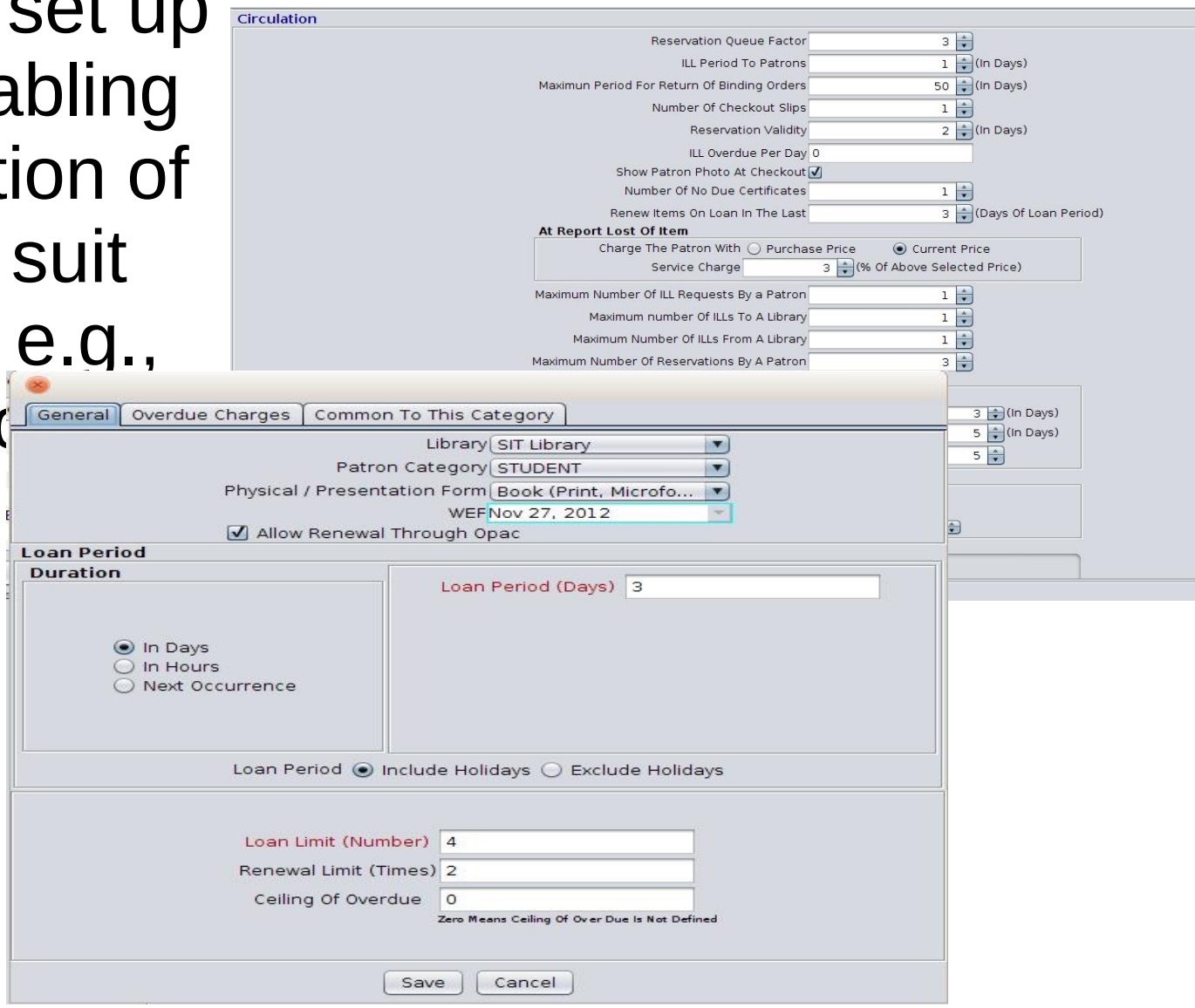


NGL Features

- 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

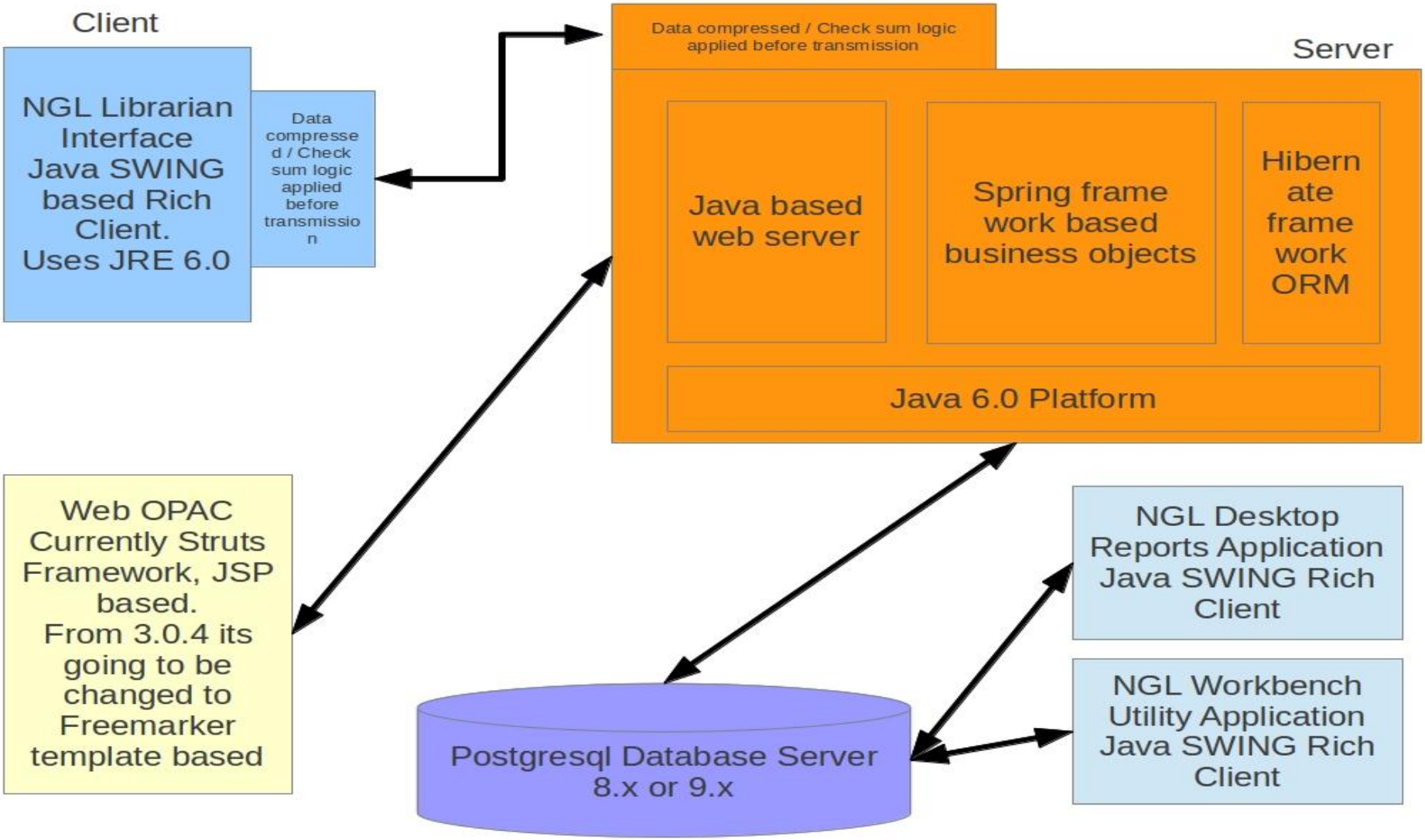
NGL Features

- 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

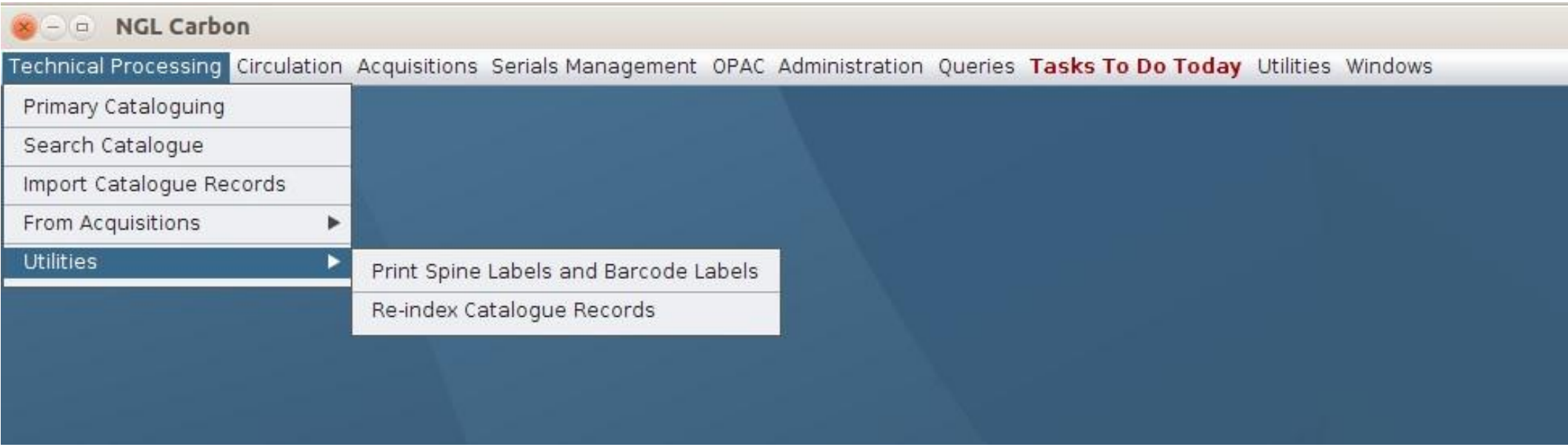


NGL Features (Standards)

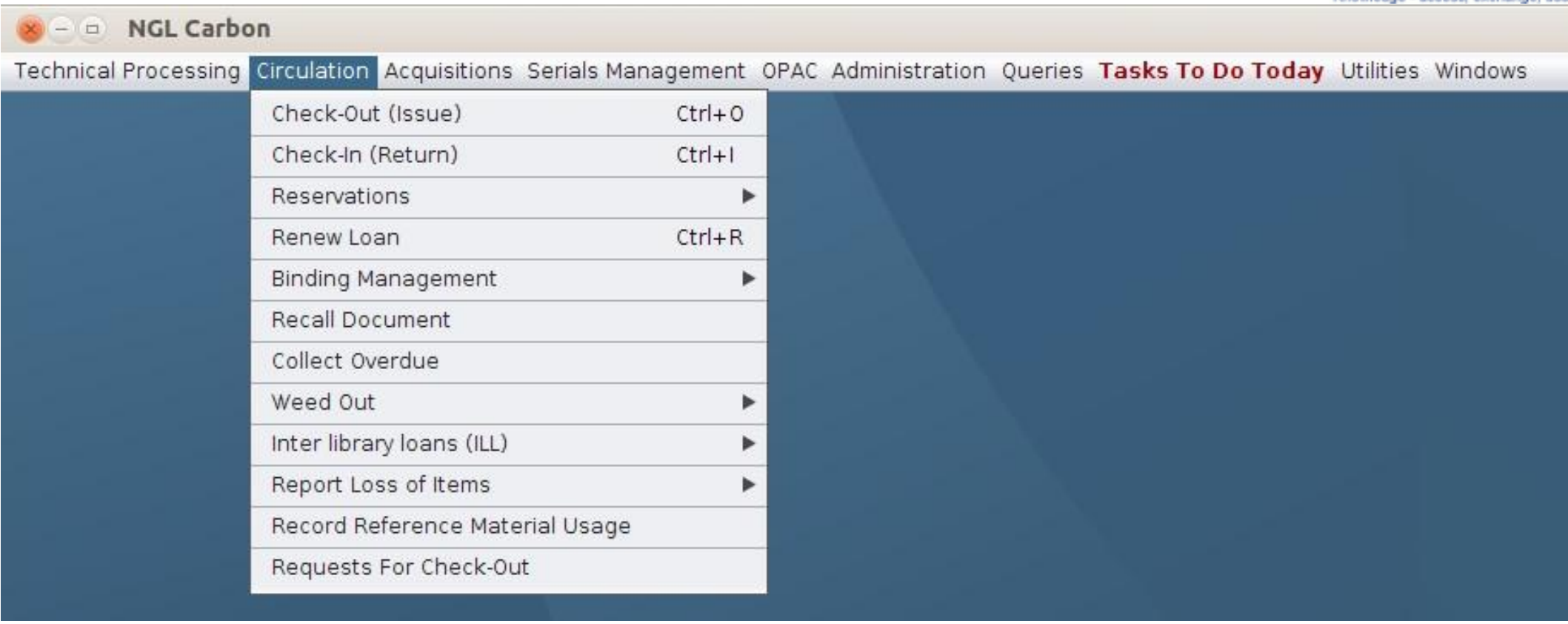
- MARC21 – Bibliographic data
- MARC21 – Authority data
- MARC21 – Holdings
- Z39.71 – Holdings statement display
- SRU/W
- MODS 3.0
- ISBD – International Standard for Bibliographic Description
- OAI – PMH (Managing Digital repositories)

NGL Functional Modules

Cataloguing

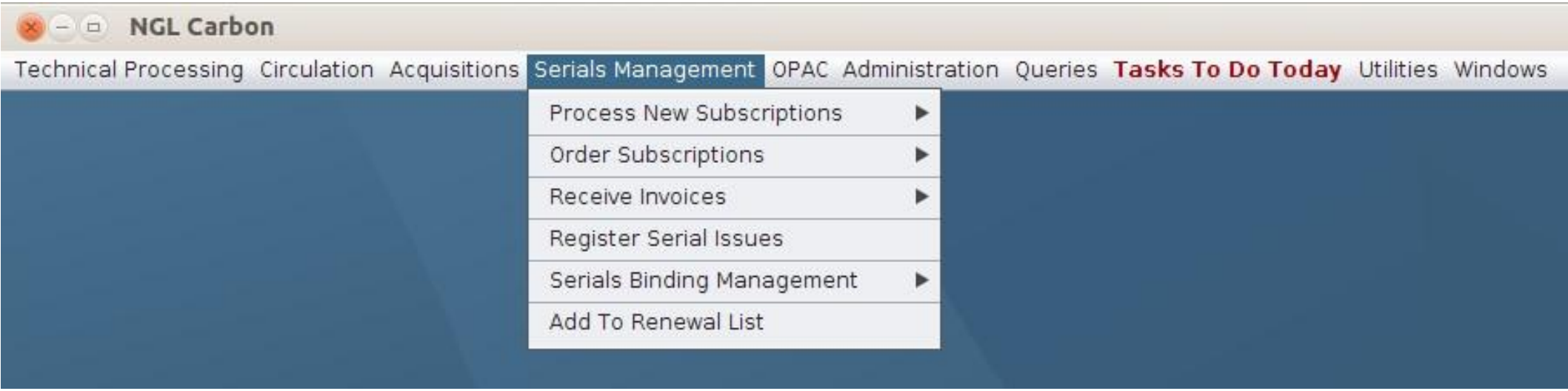


Circulation



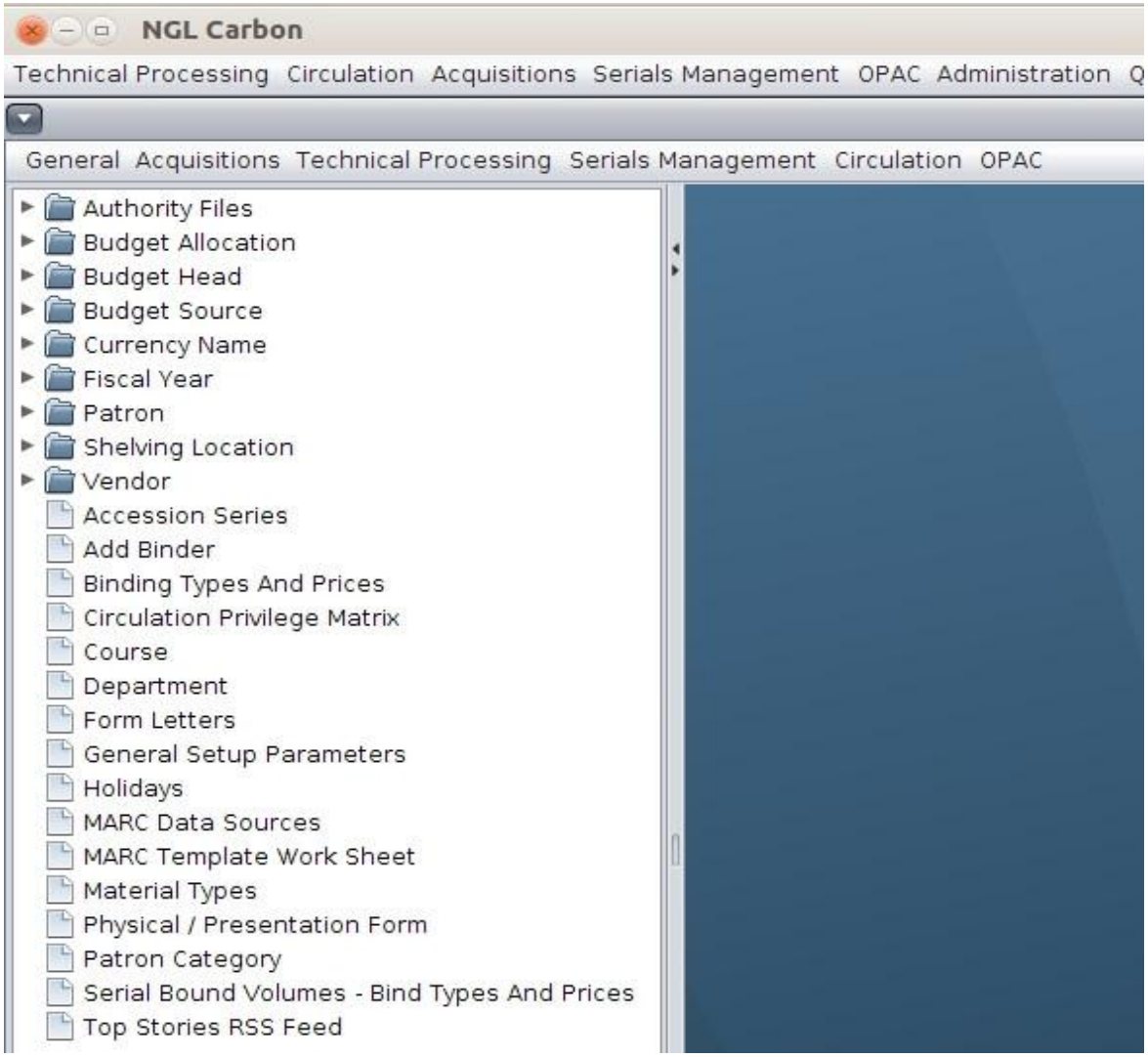
Acquisitions

Serials Management

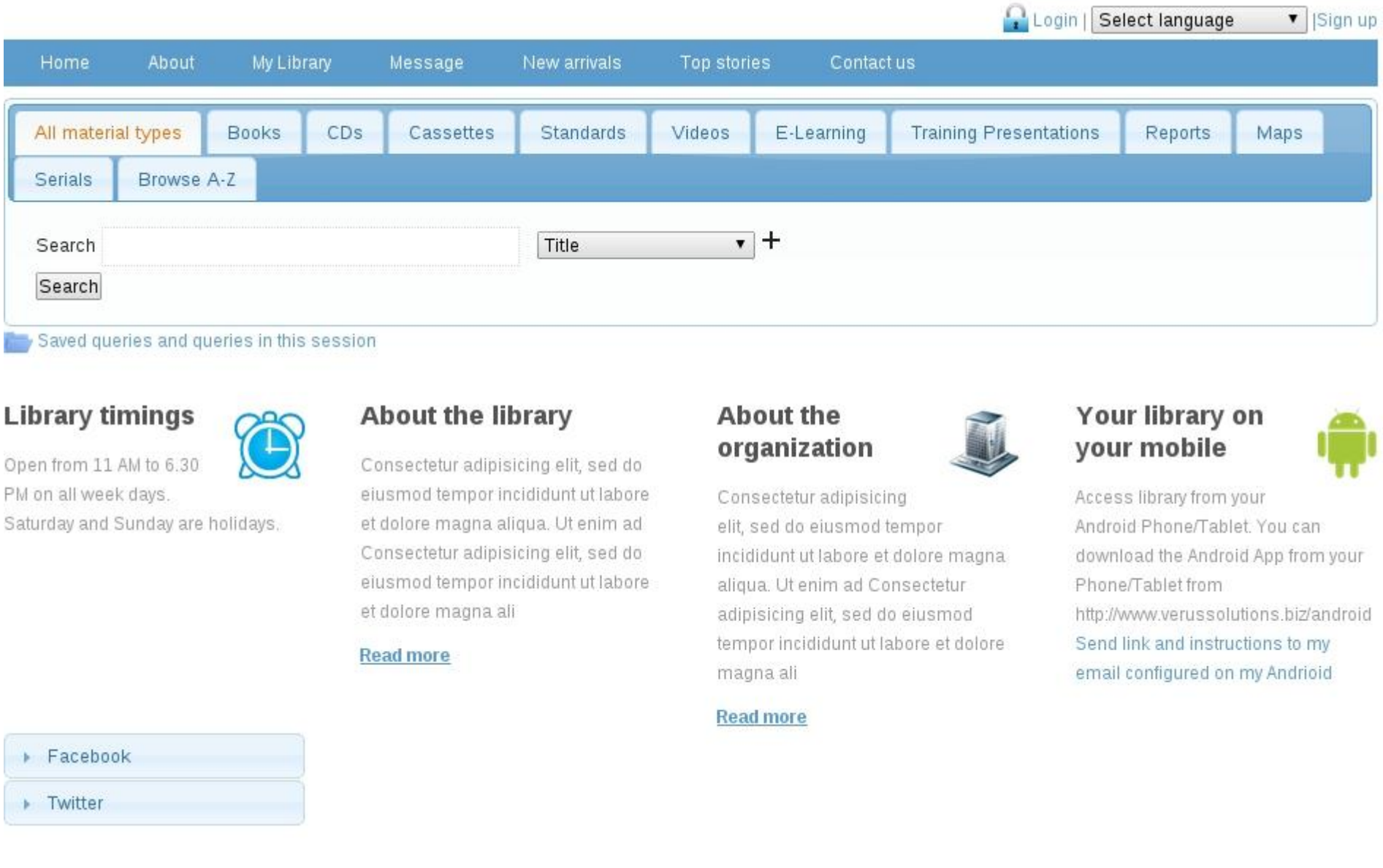


OPAC related Administration

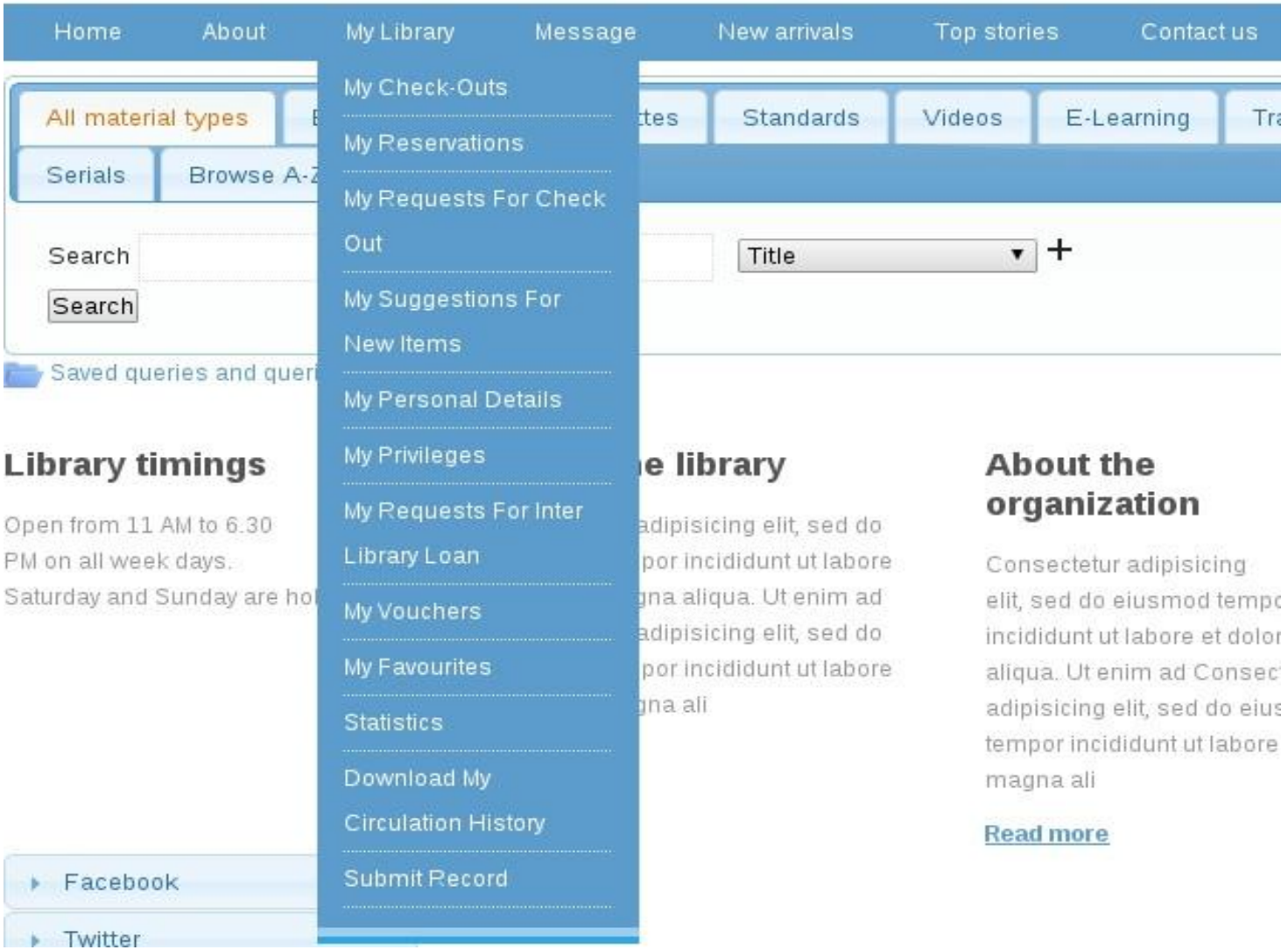
Administration



OPAC – As Portal



OPAC – My Library



OPAC – Faceted Searching

Resort results by: Title

Found 92 Results

Save This Query | Subscribe To RSS Feed

1 2 3 4

0000 to 8085 : Introduction to microprocessors for engineers and scientists.

Author(s): Ghosh, P.K.;
Publisher: New Delhi. : Prentice-Hall of India. , 1995 ;
ISBN: 1-203-0978-2 ;
Call number: 621.391;
Type: Book
Available At: stacks
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)

0000 to 8085 : Introduction to microprocessors for engineers and scientists.

Author(s): Ghosh, P.K.;
Sridhar, P R;
Edition: 2nd ed. ;
Publisher: New Delhi. : Prentice-Hall of India. , 2005 ;
ISBN: 1-203-0978-2 ;
Call number: 621.391 P05;
Type: Book
Available At: stacks
Availability: View Details

Refine results by

Sub location

- General Reading (92)

Shelving location

- stacks (92)
- Dept. of Biotechnology (2)

Author

- Gaonkar, Ramesh S. (4)
- 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 (5)

OPAC – Other services

A better India, a better world/ N.R. Narayana Murthy. भेततेर िनदिा बेततेर वोरलद

Physical description: xxviii, 290 p. 24 cm.;
General notes: Lectures and articles.;
Author(s): Narayana Murthy, N. R.;
ISBN: 9780670082834; 067008283X;
Subjects: Business ethics --India.; Corporate governance --India.;
India --Economic conditions --1991; India --Economic policy --1991; India --Social conditions.; India --Social policy.;
Formatted contents notes: pt. 1. Address to students -- pt. 2. Values -- pt. 3. Important national issues -- pt. 4. Education -- pt. 5. Leadership challenges -- pt. 6. Corporate and public governance -- pt. 7. Corporate social responsibility and philanthropy -- pt. 8. Entrepreneurship -- pt. 9. Globalization -- pt. 10. Infosys.;
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

Google Preview

Quick view ↓ | Tag This Record | Add To Favourites | ReservethisItem
Print Record | Email Record | Add Record To Buffer(You can print all records in buffer) (You can print all records in buffer)

Holdings | For Librarians (MARC Record View and Download)

SIT Library

Bar code	Accession number	Status	Location	Material type	
50012	50012	**Available**	Dept. of Architecture	Book (Print, Microform, Electronic, etc.)	Request this item for check-out

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”

sdmimd

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

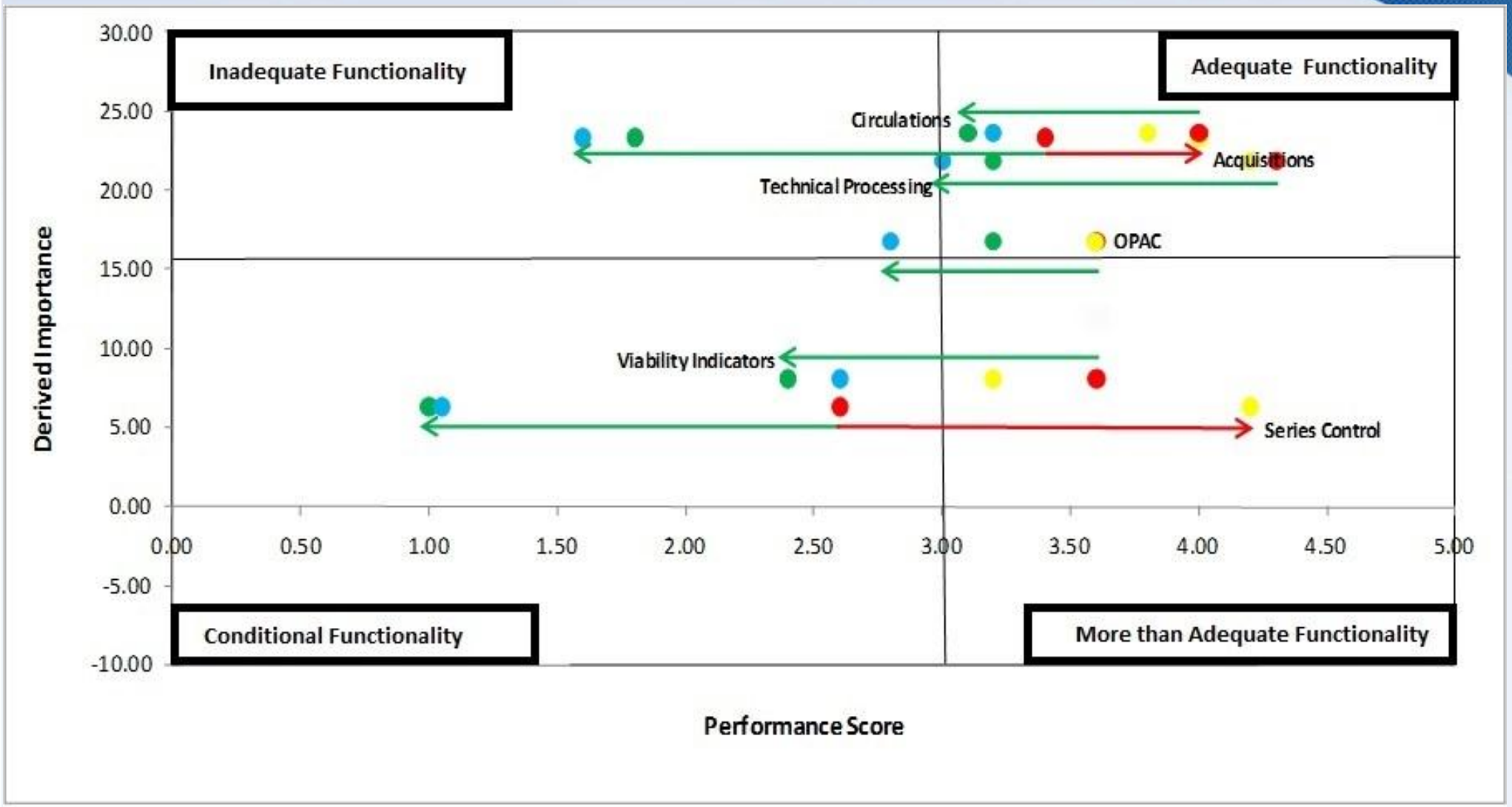
Structured Performance Evaluation of OSILMS Products

Functionality	*No. of Features*	*Weighted Importance*	*DI in %*	*Best in Case (BIC)*	*BIC Performer*
Acquisitions	**176**	**2.79**	**17%**	**603**	
General features / parameters	73	2.78		257	NewGenLib (H)
Ordering and vendor data maintenance	37	2.83		115	NewGenLib (H)
Receiving, Claiming, Recording holdings	27	2.86		91	NewGenLib (H)
Payment processing & fund accounting	22	2.68		76	NewGenLib (H)
Binder preparation	17	2.82		64	NewGenLib (H)
Serials Control	**169**	**2.75**	**17%**	**590**	
General features / parameters	78	2.54		266	NewGenLib (H)
Ordering and vendor data maintenance	32	2.80		113	NewGenLib (H)
Receiving, Claiming, Recording holdings	25	2.60		90	NewGenLib (H)
Payment processing & fund accounting	20	2.88		69	NewGenLib (H)
Binder preparation	14	2.93		52	NewGenLib (H)
Technical Processing	**39**	**2.77**	**17%**	**148**	
General features / parameters	15	2.89		56	NewGenLib (H)
Import and Export	4	2.85		16	NewGenLib (H)
Indexing and Classification	20	2.56		76	Koha

Structured PerformanceEvaluation of OSILMS Products

Circulation	**138**	**2.63**	**16%**	**567**	
General features / parameters	25	2.81		112	NewGenLib (H)
Check-in / Check-out Process	78	2.63		319	Koha (H)
Reserves (Including electronic reserves)	5	2.64		20	Koha (H)
Inter Library Loan (ILL)	5	2.12		22	NewGenLib (H)
Patron initiated transactions	10	2.56		44	Koha (H)
Stock Verification (Inventory Control)	7	2.83		26	NewGenLib (H)
Reports	8	2.83		24	Koha (H)
OPAC	**112**	**2.71**	**16%**	**379**	
General features / parameters	16	2.80		52	NewGenLib (H)
System interface functionalities	47	2.71		172	NewGenLib (H)
Navigation	7	2.69		26	NewGenLib (H)
Help	10	2.60		31	NewGenLib (H)
Content Display	20	2.74		55	NewGenLib (H)
Printing and Downloading	12	2.70		43	NewGenLib (H)
Viability Indicators	**48**	**2.88**	**17%**	**177**	
General features / parameters	15	2.84		54	Koha (H)
Architecture	9	2.89		35	Koha (H)
Community	13	2.75		49	Koha (H)
Code	7	2.91		25	Koha (H)
Schema	4	3.00		14	Koha (H)
Total	***682***	***16.53***			

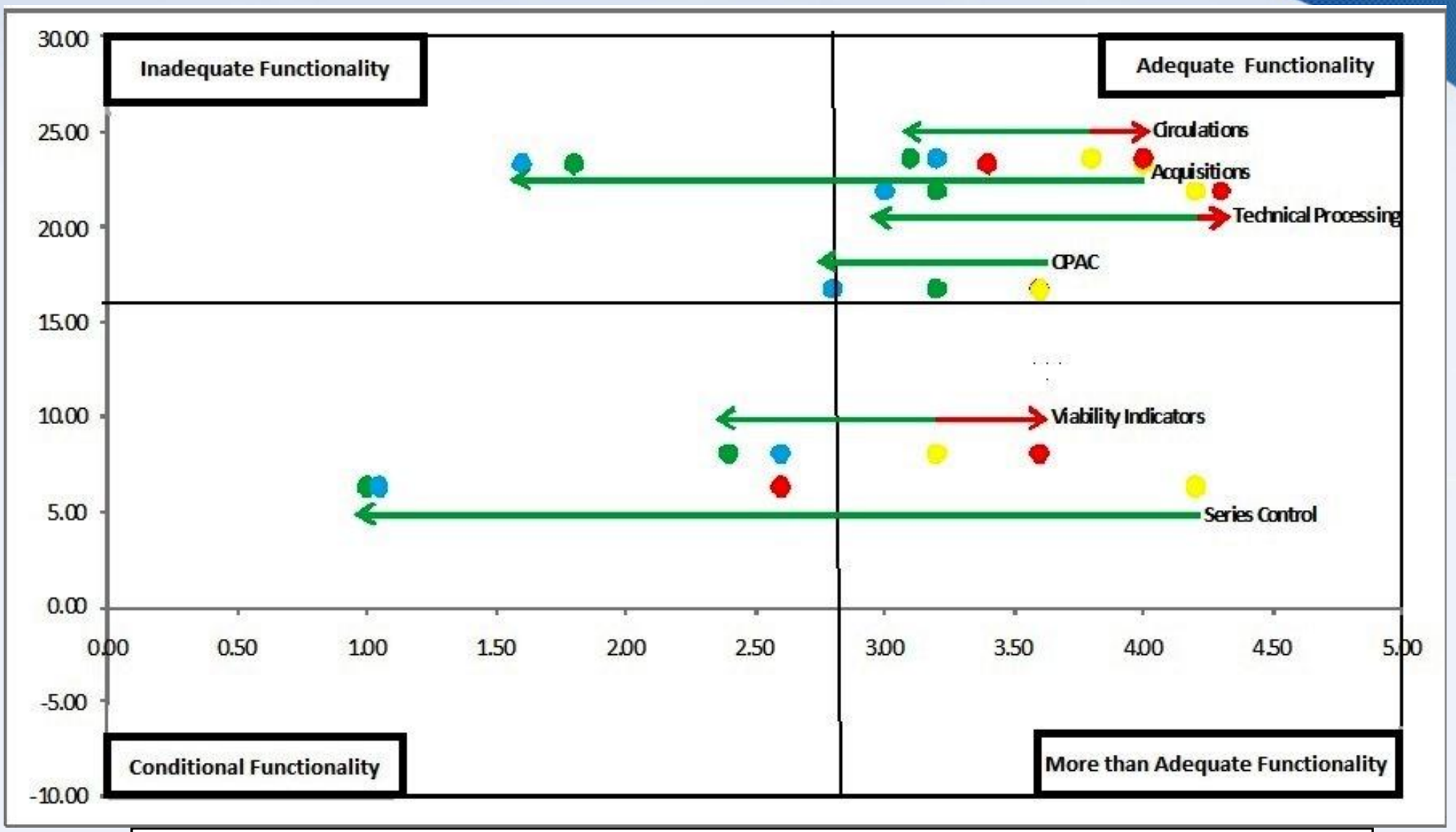
Performance of Koha & NewGenLib

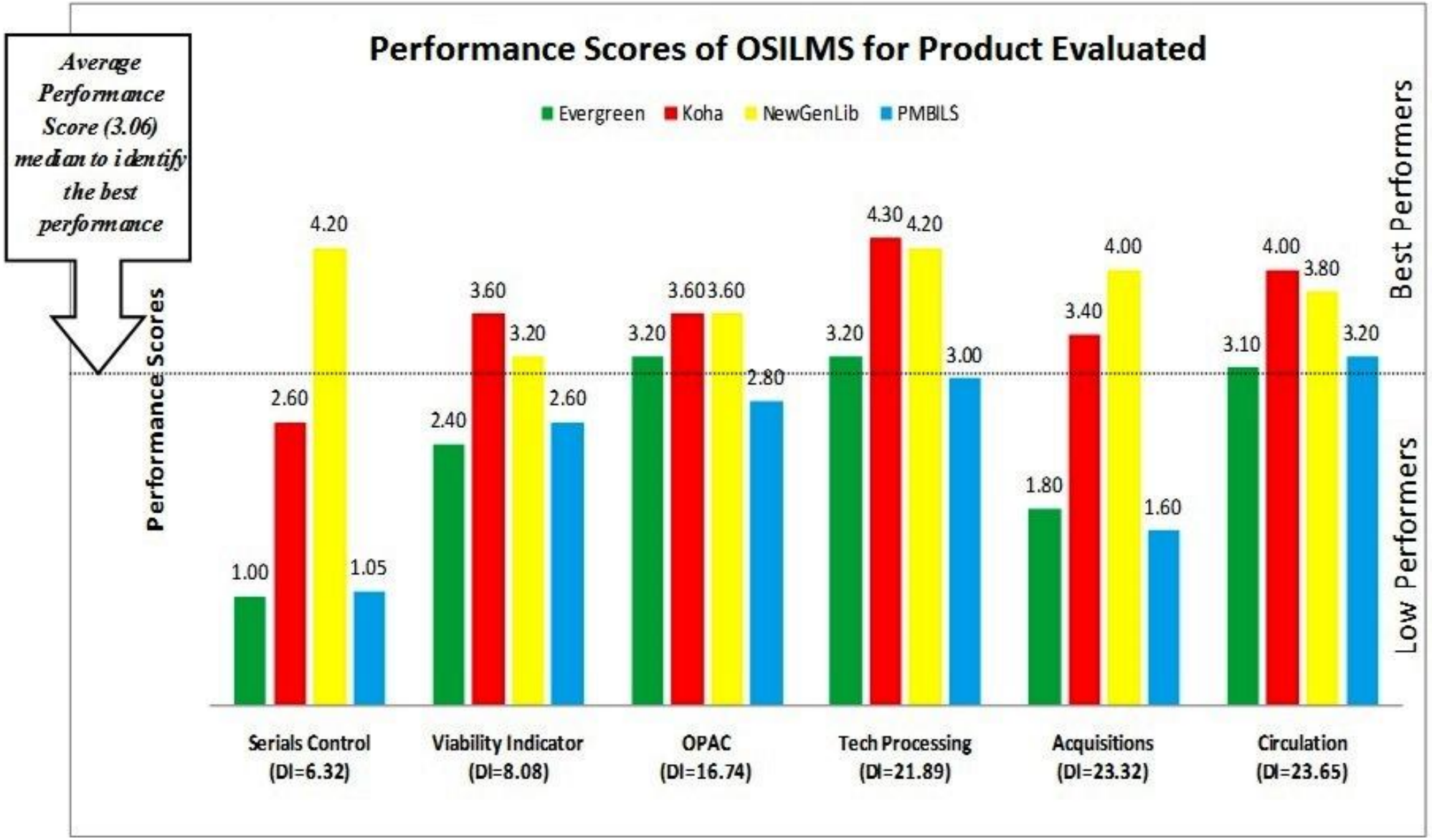


Evergreen Koha NewGenLib PMBILS

sdmimd

Performance of Koha & NewGenLib




Performance Scores of OSILMS for Product Evaluated
Average Performance Score (3.06) median to identify the best performance
Evergreen
Koha
NewGenLib
PMBILS
Performance Scores
Best Performers
Low Performers
1.00
2.60
4.20
1.05
2.40
3.60
3.20
2.60
3.20
3.60
3.60
2.80
3.20
4.30
4.20
3.00
1.80
3.40
4.00
1.60
3.10
4.00
3.80
3.20
Serials Control (DI=6.32)
Viability Indicator (DI=8.08)
OPAC (DI=16.74)
Tech Processing (DI=21.89)
Acquisitions (DI=23.32)
Circulation (DI=23.65)

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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

sdmimd

Many thanks

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sunilmv@sdmimd.ac.in