

NGL Open Source



Verus
&

Kesavan Institute for Information and Knowledge
Management (KIIKM)

At: EIFL Webinar

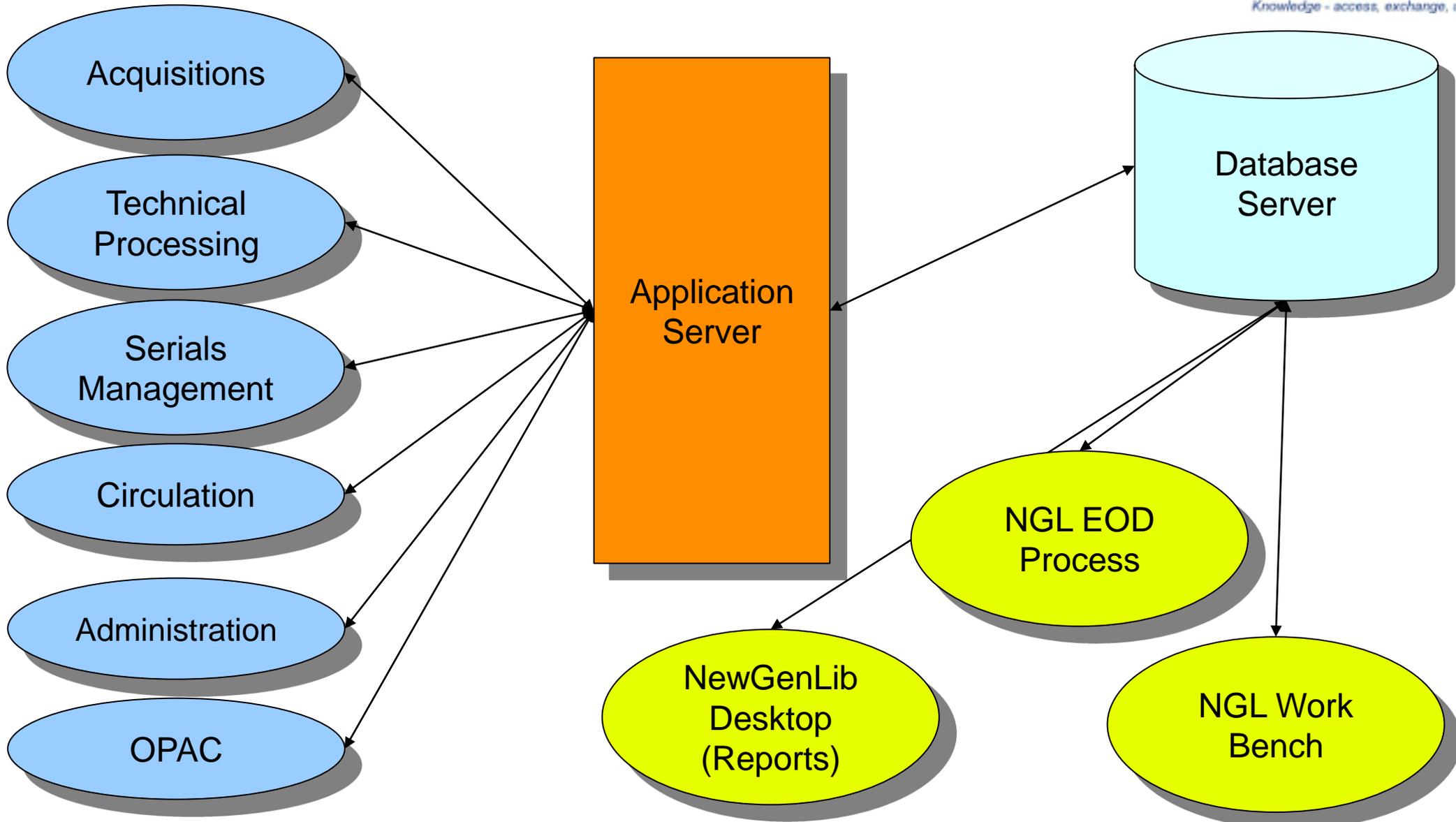
Speaker: Siddartha

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 Carbon

Technical Processing Circulation Acquisitions Serials Management OPAC Administration Queries **Tasks To Do Today** Utilities Windows

Creating - The image of Christ in modern art

Quick Import From: OpenCatalog ISBN Search Search Open Catalog

Choose Template Union Catalogue Open Archive Other actions Select importing format Sort by

Bibliographic Level: Monograph/Item Material Type: Language material Sub Location: Aster

Nature Of Contents: Bibliographies More General Information Add Physical Description Information

Jump To

Field	I1	I2	Sub Field	Data
LIBRARY OF CONGRESS CONTROL N...			LC control number	2013007768
ISBN			ISBN	9781409463818 (hardback : a
ISBN			ISBN	9781409463825 (pbk.
ISBN			Canceled/invalid ISBN	9781409463832 (ebook
CATALOGING SOURCE			Original cataloging agency	DLC
			Language of cataloging	eng
			Transcribing agency	DLC
			Description conventions	rda
AUTHENTICATION CODE			Authentication code	pcc
LIBRARY OF CONGRESS CALL NUMBER	0	0	Classification number	N8050
			Item number	.H37 2013
DEWEY DECIMAL CLASSIFICATION N...	0	0	Classification number	704.9/48530904
			Edition number	23
Main author				1

Save Cancel

Welcome to SIT Library

localhost:7070/newgenlibtxt/

Print text File t... Printing Txt file ... NewGenLib - Br... Solving Tomcat ...

SIT Library

Login | Select language | Sign up

Home About My Library Message New arrivals Top stories Contact us

All material types Books CDs Cassettes Standards Videos E-Learning Training Presentations Reports Maps

Serials Browse A-Z

Search Title +

Search

Saved queries and queries in this session

Library timings

Open from 11 AM to 6.30 PM on all week days. Saturday and Sunday are holidays.

About the library

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[Read more](#)

About the organization

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[Read more](#)

Your library on your mobile

Access library from your Android Phone/Tablet. You can download the Android App from your Phone/Tablet from <http://www.verusolutions.biz/android> Send link and instructions to my email configured on my Android

Facebook

Twitter

NGL Features

Multi-lingual support: Supports Unicode 4.0



σύνδεση | Επιλογή γλώσσας | Signup

σπίτι περίπου Η βιβλιοθήκη μου μήνυμα Νέες αφίσες Κορυφαίες ιστορίες Επικοινωνήστε μαζί μας

All material types Books CDs Cassettes Standards Videos E-Learning Training Presentations Reports Maps

Serials AuthorSubjectUniformTitleBrowse

Αναζήτηση τίτλος +

Αναζήτηση

Saved queries and queries in this session

Χρονισμών Βιβλιοθήκη



Open from 11 AM to 6.30 PM on all week days. Saturday and Sunday are holidays.

Σχετικά με τη βιβλιοθήκη

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[Διαβάστε περισσότερα](#)

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[Διαβάστε περισσότερα](#)

All material types Books CDs Cassettes Standards Videos E-Learning Tr

Serials Browse A-Z

Search τίτλος +

Search

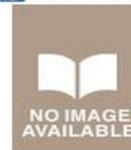
Saved queries and queries in this session

Resort results by: Title

Found 1 Results

Save This Query

Subscribe To RSS Feed



ಮಧ್ಯಯುಗೀನ ಗಣಿತ ಶಾಸ್ತ್ರಕ್ಕೆ ದಕ್ಷಿಣ ಭಾರತದ ಕೊಡುಗ/ವೇಣುಗೋಪಾಲ ಹೇರೂರ Madhya Yugeena Ganita shastrakke Dakshina Bharatada KodugeVenugopal Heroor

Author(s): ಹೇರೂರ, ವೇಣುಗೋಪಾಲ;

Publisher: : ಸನಾತನ ಹಸ್ತಿನ ವಿಹ್ನಾನ ಪ್ರತಿಷ್ಠಾನ ಭಾರವಾಡ , 2003 ;

Call number: 510 P03;

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)

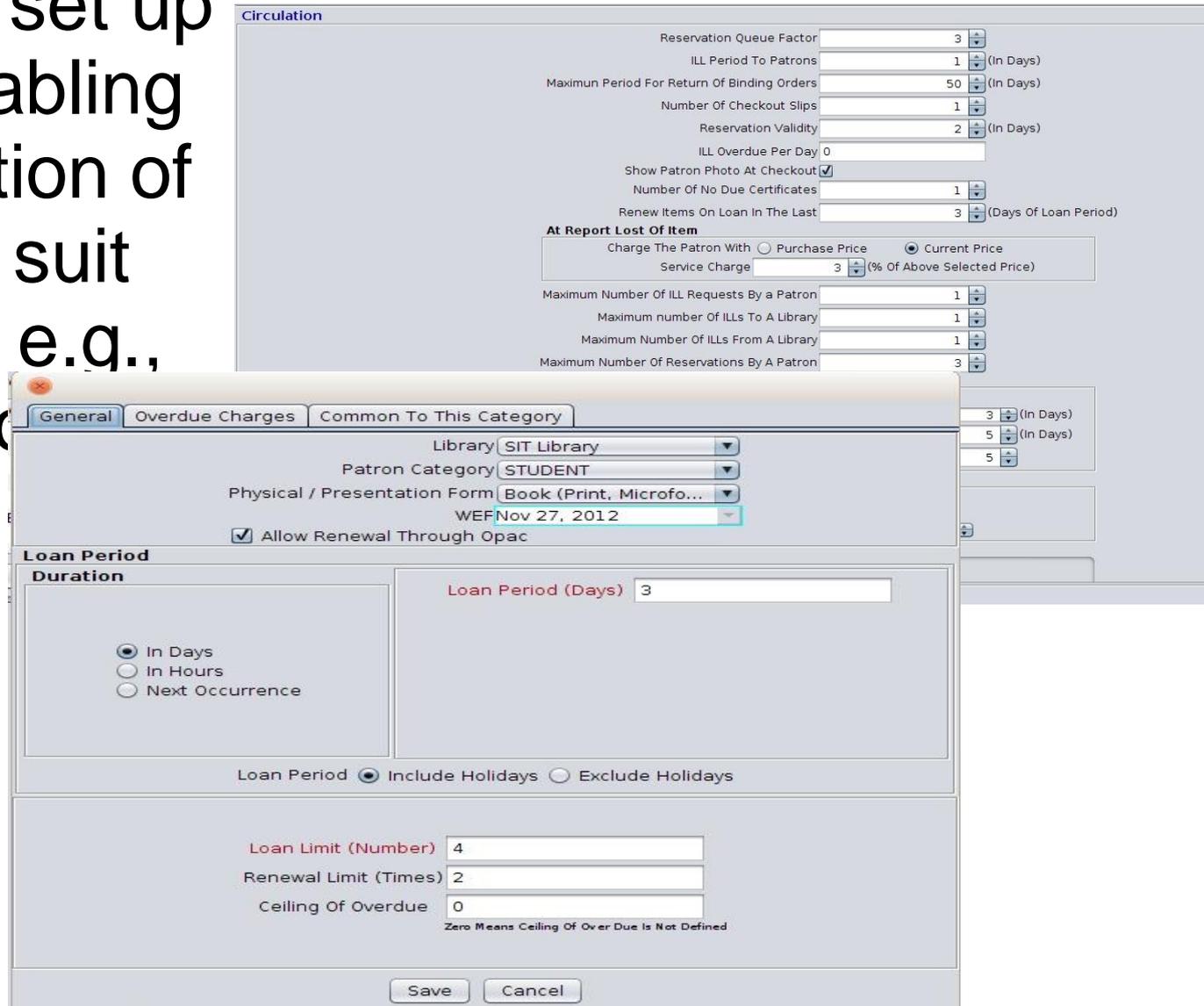
NGL Features



- 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



The screenshot displays the 'Circulation' configuration page in the VORUS system. The page includes various settings for loan periods, reservations, and reporting. A dialog box titled 'Loan Period' is open, showing configuration options for a specific library and patron category.

Circulation Settings:

- Reservation Queue Factor: 3
- ILL Period To Patrons: 1 (In Days)
- Maximum Period For Return Of Binding Orders: 50 (In Days)
- Number Of Checkout Slips: 1
- Reservation Validity: 2 (In Days)
- ILL Overdue Per Day: 0
- Show Patron Photo At Checkout:
- Number Of No Due Certificates: 1
- Renew Items On Loan In The Last: 3 (Days Of Loan Period)
- At Report Lost Of Item:**
 - Charge The Patron With: Purchase Price Current Price
 - Service Charge: 3 (% Of Above Selected Price)
- Maximum Number Of ILL Requests By a Patron: 1
- Maximum number of ILLs To A Library: 1
- Maximum Number Of ILLs From A Library: 1
- Maximum Number Of Reservations By A Patron: 3

Loan Period Dialog Box:

- Library: SIT Library
- Patron Category: STUDENT
- Physical / Presentation Form: Book (Print, Microfo...)
- Date: WEF Nov 27, 2012
- Allow Renewal Through Opac
- Duration:**
 - In Days
 - In Hours
 - Next Occurrence
- Loan Period (Days): 3
- Loan Period: Include Holidays Exclude Holidays
- Loan Limit (Number): 4
- Renewal Limit (Times): 2
- Ceiling Of Overdue: 0
- Zero Means Ceiling Of Over Due Is Not Defined
- Buttons: Save, Cancel

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



Java



NGL Features



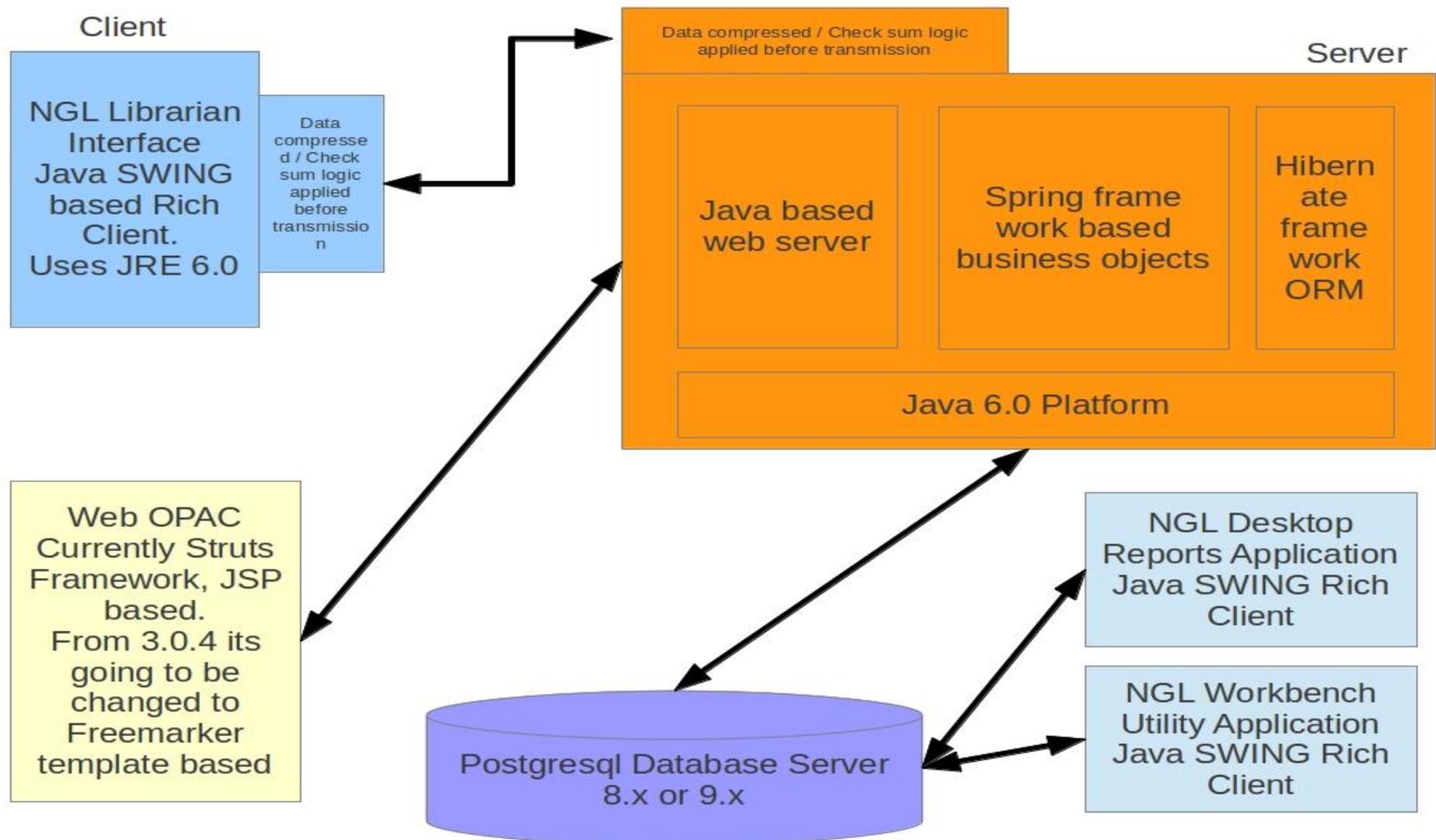
- SIP2 protocol enabled
 - Quick RFID Integration
 - Supports unlimited number of RFID clients
- Form letters templates are completely customizable (Example: Check out slip)
 - Print letters
 - HTML
 - Messages

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



The screenshot shows a software window titled "NGL Carbon". The menu bar includes "Technical Processing", "Circulation", "Acquisitions", "Serials Management", "OPAC", "Administration", "Queries", "Tasks To Do Today", "Utilities", and "Windows". The "Technical Processing" menu is open, displaying the following options:

- Primary Cataloguing
- Search Catalogue
- Import Catalogue Records
- From Acquisitions
- Utilities
 - Print Spine Labels and Barcode Labels
 - Re-index Catalogue Records

Circulation

The screenshot shows a web application window titled "NGL Carbon". The navigation bar includes the following items: Technical Processing, Circulation (highlighted), Acquisitions, Serials Management, OPAC, Administration, Queries, **Tasks To Do Today**, Utilities, and Windows. The "Circulation" menu is open, displaying the following options:

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	

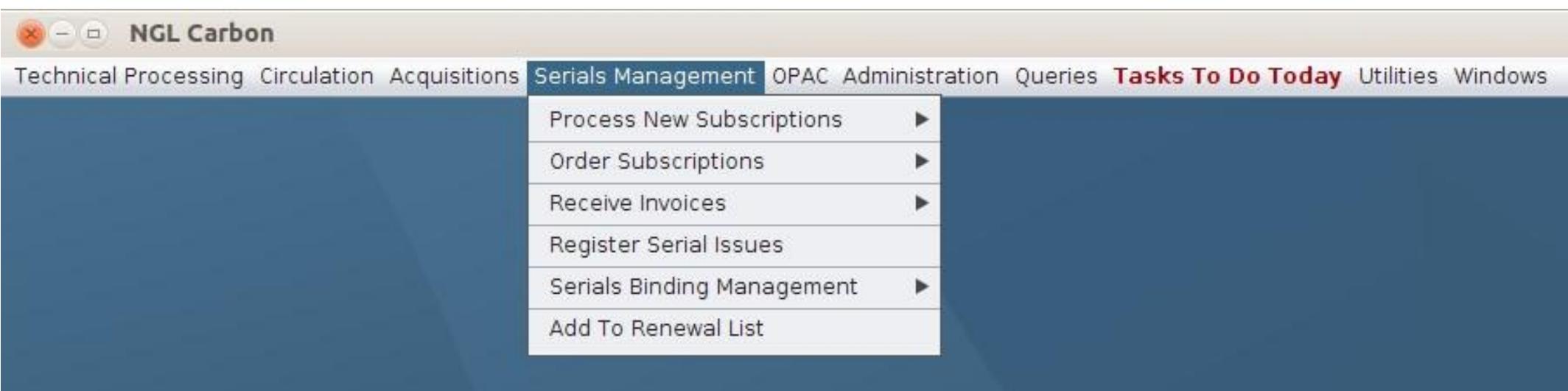
Acquisitions



The screenshot shows a web application window titled "NGL Carbon". The navigation bar includes the following items: Technical Processing, Circulation, Acquisitions (highlighted), Serials Management, OPAC, Administration, Queries, **Tasks To Do Today**, Utilities, and Windows. A dropdown menu is open under "Acquisitions", listing the following options:

- Search By Title
- Process Requests ▶
- Process Approval Supplies ▶
- Firm Orders ▶
- Receive Orders
- Delete Invoice
- Gifts ▶
- Accession Received Items
- Delete Accession Number
- Process Payment (Invoice Received)
- Rollback Payment
- Invoice Payment Details
- Claims For Unsupplied Items
- Process Quotation ▶

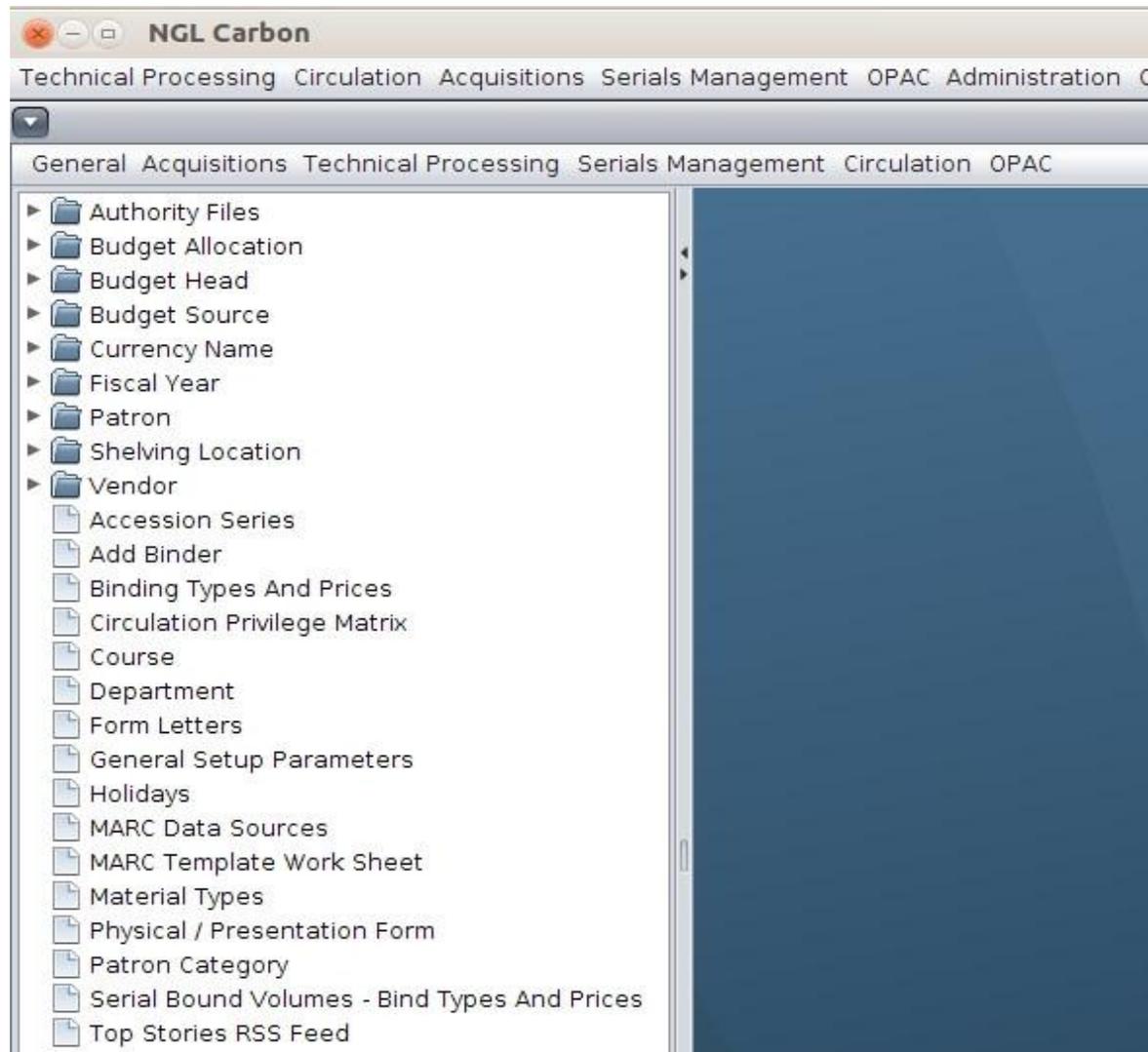
Serials Management



OPAC related Administration



Administration



OPAC – As Portal



Login | Select language | Sign up

Home About My Library Message New arrivals Top stories Contact us

All material types Books CDs Cassettes Standards Videos E-Learning Training Presentations Reports Maps
Serials Browse A-Z

Search Title +

Saved queries and queries in this session

Library timings



Open from 11 AM to 6.30 PM on all week days.
Saturday and Sunday are holidays.

About the library

Consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad
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[Read more](#)

About the organization



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[Read more](#)

Your library on your mobile

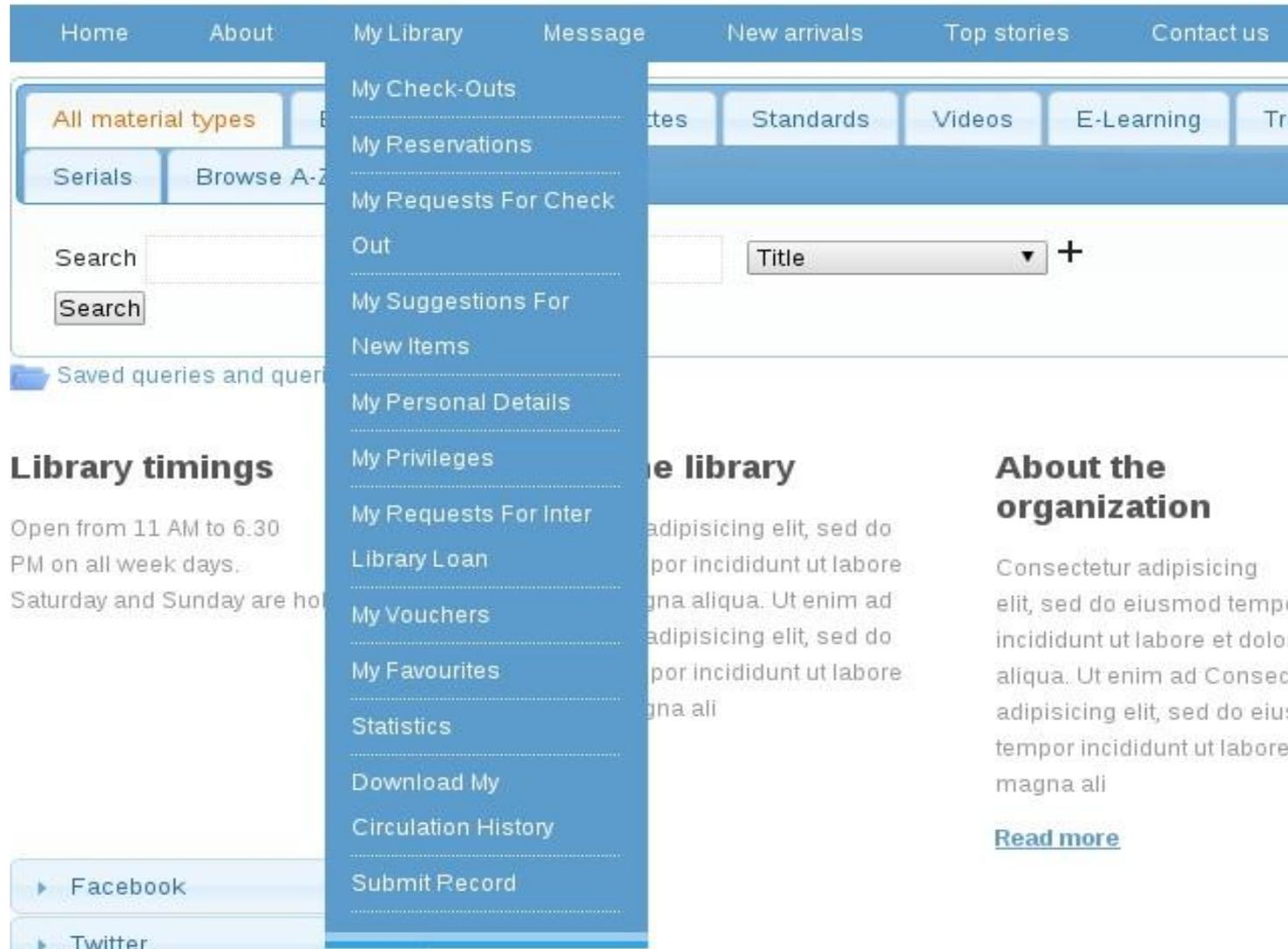


Access library from your Android Phone/Tablet. You can download the Android App from your Phone/Tablet from
<http://www.verussolutions.biz/android>
Send link and instructions to my email configured on my Android

▶ Facebook

▶ Twitter

OPAC – My Library



The screenshot shows the 'My Library' menu in an OPAC system. The menu is a vertical list of options, each separated by a dotted line. The options are: My Check-Outs, My Reservations, My Requests For Check Out, My Suggestions For New Items, My Personal Details, My Privileges, My Requests For Inter Library Loan, My Vouchers, My Favourites, Statistics, Download My Circulation History, and Submit Record. The background shows a navigation bar with links like Home, About, Message, New arrivals, Top stories, and Contact us. There is also a search bar and a 'Title' dropdown menu.

- Home
- About
- My Library
- Message
- New arrivals
- Top stories
- Contact us

All material types

Serials Browse A-Z

Search

Search

Saved queries and queries

Library timings

Open from 11 AM to 6.30 PM on all week days. Saturday and Sunday are holidays.

Librarian's library

Consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

About the organization

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[Read more](#)

Facebook

Twitter

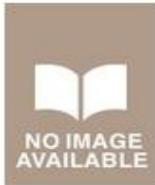
OPAC – Faceted Searching

Resort results by:

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

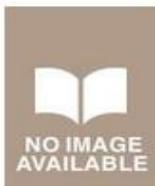
Available At: stacks

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, Bary B. (4)

Hall, Douglas V. (3)

Subject

Microprocessors. (4)

Computer interfaces. (2)

Intel 8085 (Microprocessor). (2)

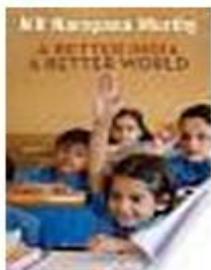
Microprocessors--Problems, exercises, etc. (2)

Pentium (Microprocessor) (2)

Nature Of Contents

Bibliographies (5)

OPAC – Other services



A better India, a better world/ N.R. Narayana Murthy. भेत्तेर िन्दि बेत्तेर वोरलद

Physical description: xviii, 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](#)



[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”

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

Dr. Sunil M.V.

Librarian, SDMIMD, Mysore, INDIA

sunilmv@sdmimd.ac.in

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

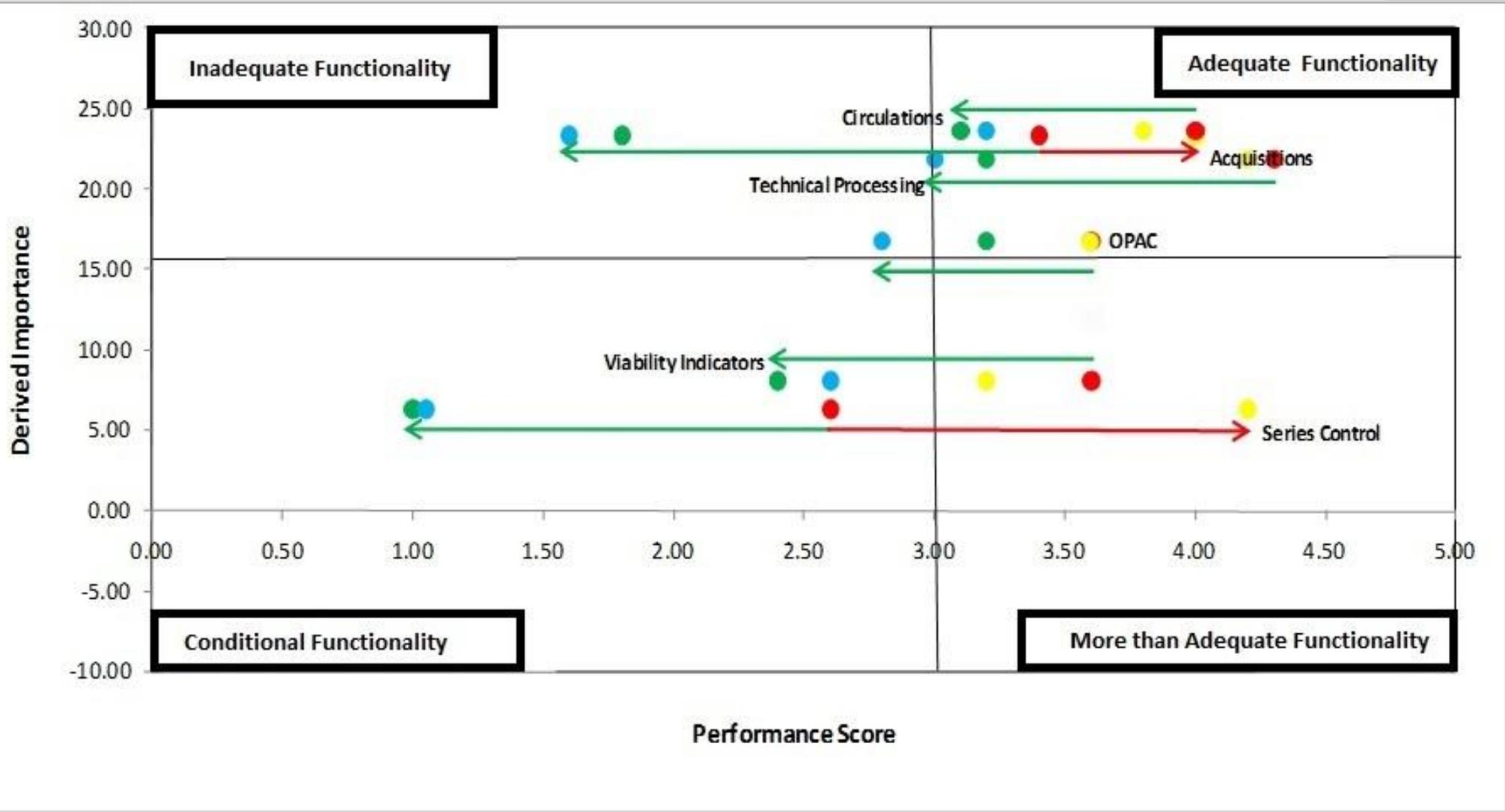
Candidate Software Selected for Evaluation

1. Evergreen
2. Koha
3. NewGenLib
4. PMBILS

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

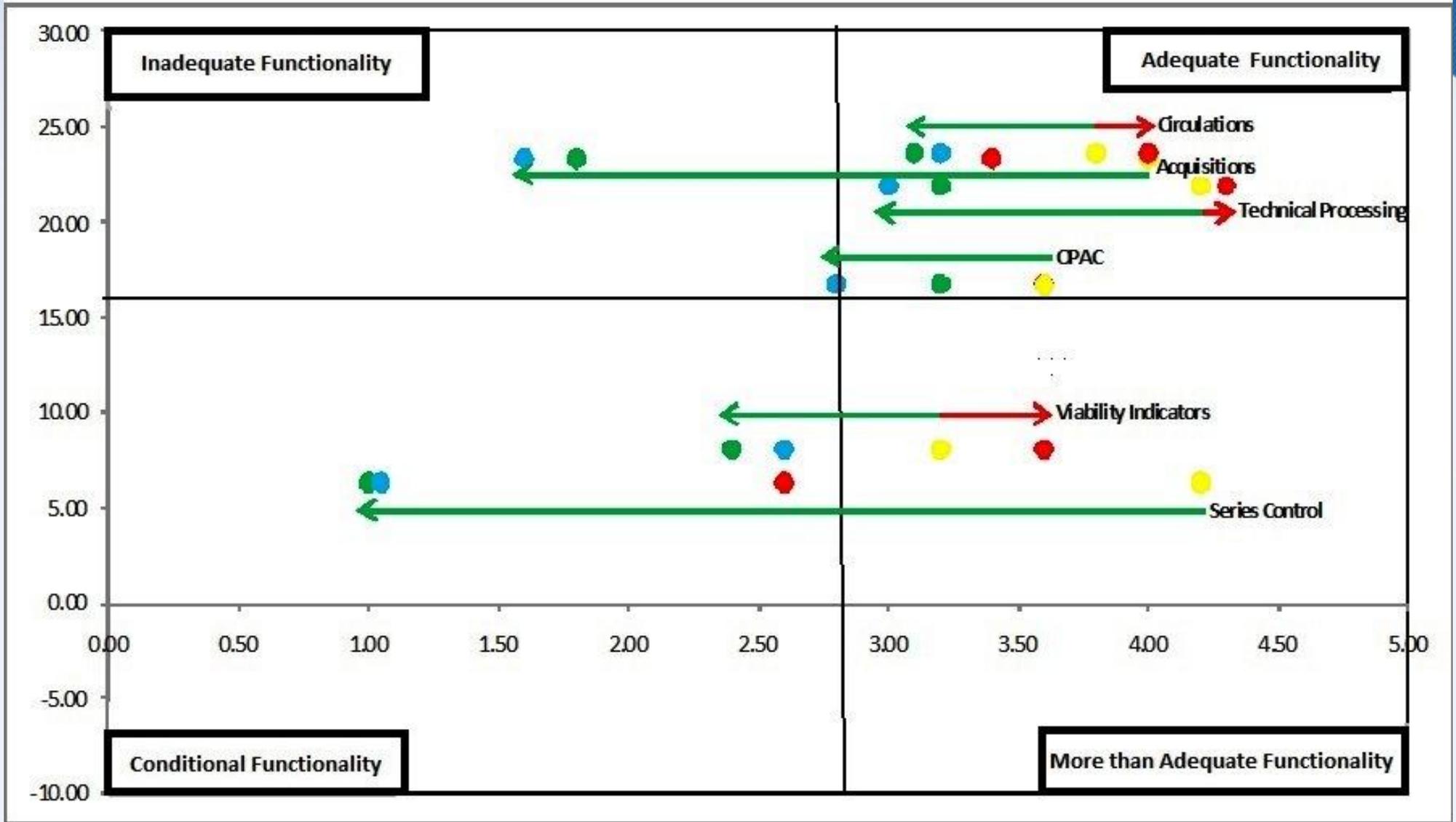
Circulation	138	2.63	16%	567	
General features / parameters	25	2.81		112	<u>NewGenLib (H)</u>
Check-in / Check-out Process	78	2.63		319	<u>Koha (H)</u>
Reserves (Including electronic reserves)	5	2.64		20	<u>Koha (H)</u>
Inter Library Loan (ILL)	5	2.12		22	<u>NewGenLib (H)</u>
Patron initiated transactions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

Performance of Koha & NewGenLib



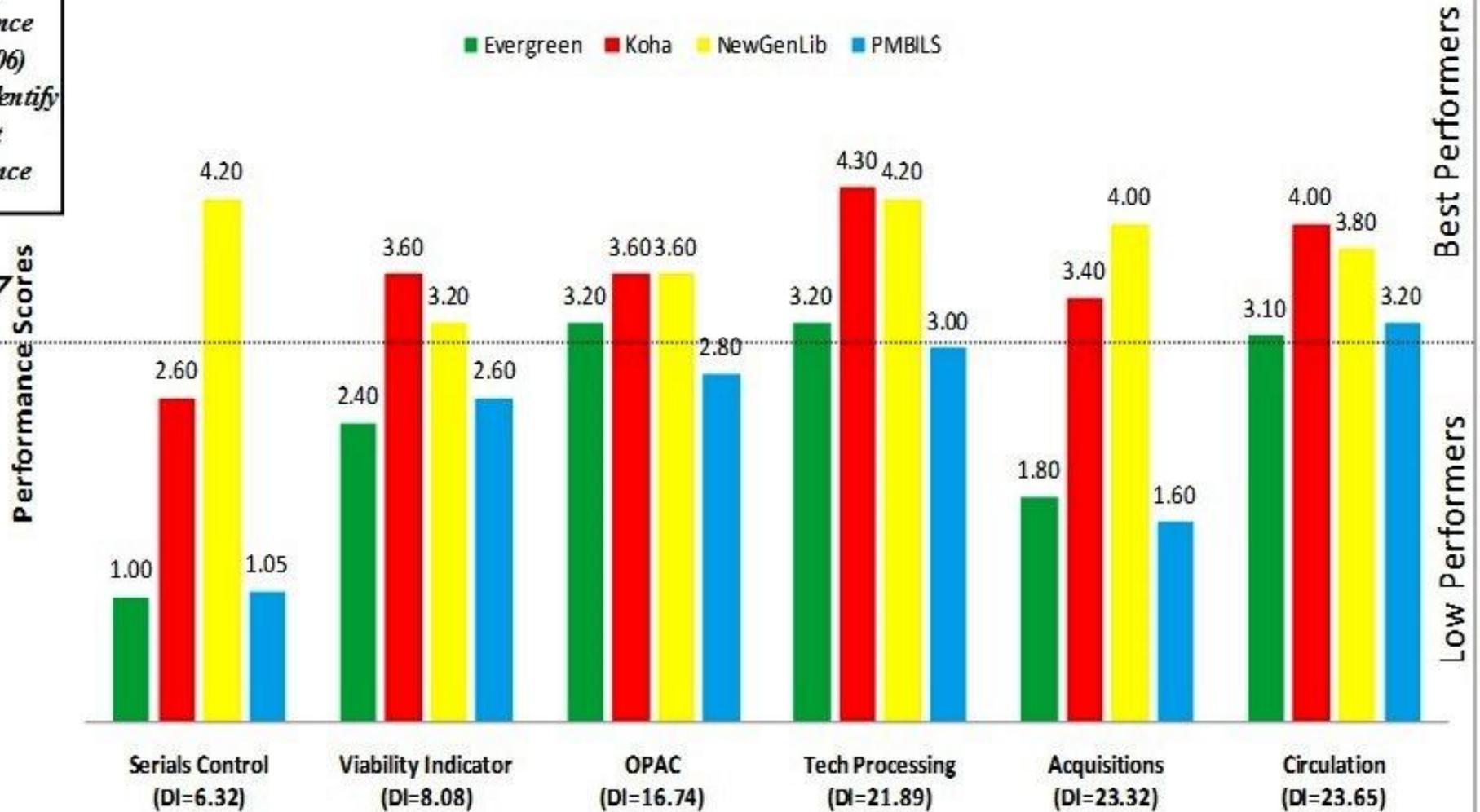
● Evergreen
 ● Koha
 ● NewGenLib
 ● PMBILS

Performance of Koha & NewGenLib



Performance Scores of OSILMS for Product Evaluated

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



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

Dr. Sunil M.V.
sunilmv@sdmimd.ac.in