

Bringing Knowledge & People Closer

## Managing your Library by Metrics with Easylib 6.4a Web

Vasu M Deshpande Phone : +91-97422-04624 info@easylibsoft.com www.easylibsoft.com

### Easylib Software Pvt. Ltd.

Easylib – Helping Libraries Achieve their Goals since 2001 1147/B, 18th B Main, Rajaji Nagar 5th Block, Bengaluru 560010 442 Teakwood Terrace, Williamsville NY 14221 USA



#### Agenda

- Why Metrics
- Metrics applicable for the libraries
- Six Sigma Concept
- Balanced Scorecard Concept
- Hands on training on Easylib metrics

### Why metrics?



Qualitative	Quantitative – Current Trend
Fixed Price. E.g. Postpaid Mobile	Variable Price E.g. Prepaid
Library Timings	Visitor Count
Collection Size	Percent Used
Buy	Rent it
Qualification	Publication Count
Entitlement	Performance

### Qualitative vs. Quantitative



#### Qualitative

- Full day I am doing cataloguing.
- So many students come here every day.
- So many journals come here everyday
- No time at all, very busy to tell what is completed

#### Quantitative

- I completed cataloguing of 40 books today in 6 hours
- We issued 200 books in 8 hours today
- We receive 20 journals on an average each day
- 7 out of 10 activities of the week are completed

#### NAAC Score



- 70% Weightage On data validation
- 25% Weightage On personal visit
- 5% Weightage Student Satisfaction Survey

### Library Metrics – Workshop



- Collections
  - Count of Books
  - Count of Non Books (Audio, Video CDs, Manuals, Bound Volumes)
- Circulation
  - Items issued in last one week
  - Items issued in last one month
  - One year
  - Over due books
- Journals
  - Count of journals subscribed
- As attendees put on chat

### Six Sigma Methodology (DMAIC)





www.easylibsoft.com

#### Balanced Scorecard





www.easylibsoft.com

#### | Financial Perspective



Seq.	Goal	Measures
1	Expand Revenue Opportunities	<ul><li>Grants from external sources</li><li>Grants from donations</li><li>Revenue Generated</li></ul>
2	Improve Cost Structure	<ul><li>Unutilized Spend</li><li>% Increase in collection each year</li></ul>
3	Improve Asset Utilization	<ul> <li>Incremental Usage Ratio = Purchased Amount / Additional Students</li> <li>Unused Books</li> <li>Accessed Material Percentage</li> <li>Not borrowed in last 10 years</li> <li>Copies to usage ratio</li> </ul>
4	Enhance Customer Value	Cost of one issue

www.easylibsoft.com

#### **Customer Perspective**



Seq.	Goal	Measures
1	Library Usage	<ul> <li>Zero hit search</li> <li>Number of times of reserve on backlog</li> <li>Unfulfilled demand for a book</li> <li>Physically Challenged User Readiness</li> <li>Accessories Provisioning</li> <li>OPAC Access Time</li> </ul>
2	Physical Library Usage	<ul> <li>Times people forced to go out</li> </ul>
3	Customer Benefit	Paid money vs. Borrowed Books
4	Customer Outreach	<ul><li>Feedback Received</li><li>Feedback Successfully Acted Upon</li></ul>

#### Internal Business Processes Perspective



Seq.	Goal	Measures
1	Day to Day Operations	<ul> <li>Times people came &gt; 5 minutes late</li> <li>Average circulation queue time</li> <li>Copy Facility availability Percentage</li> <li>Computer Room Availability</li> <li>Broadband Availability Percentage</li> </ul>
2	Customer Interaction Processes	<ul><li>Monthly Satisfaction Survey</li><li>Time to get an ID card</li></ul>
3	Acquisitions Process	<ul> <li>Time between request and decision</li> <li>Time between request and ordering</li> <li>Time between request and cataloguing</li> <li>Time between vendor invoice and payment</li> <li>Time to catalogue a book in minutes</li> </ul>

### Learning and Innovations Perspective

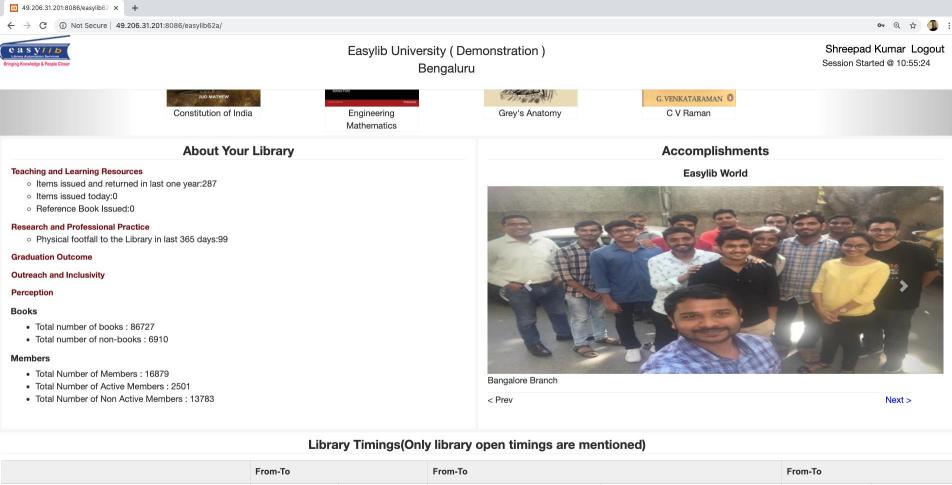


Seq.	Goal	Measures
1	Human Capital	<ul> <li>Trainings attended by staff</li> <li>Paper published by staff</li> <li>Goal Setting Process</li> </ul>
2	Information Capital	<ul> <li>Improvement Initiatives in Progress</li> <li>Data Quality Improvement Days Spend</li> </ul>
3	Initiatives	<ul> <li>Increase due to new initiatives</li> </ul>

89.206.31.201:8086/easylib62 × +						
← → C ① Not Secure   49.206.31.201:8086/easylib62a/					🕶 @ 🕁 🕕 :	
C a S V / / / D Urrey Andrewine Terrore Bringing Knowledge & People Closer	Ea	sylib University ( Dem Bengaluru	onstration )		Shreepad Kumar Logout Session Started @ 10:55:24	
	All	Search for Books, Author a	nd More	Search Clear	NA PD 80 80 0	
Student Application Form   College Alu	umni Network   Parents Login   、 	Journals   eJournals   Item S	tatus   google   Easylib Demo Feedb	ack   Print Barcodes		
Explore		Announc	ements	Us	eful Links	
E Effective Testing		Happy Maha	shivaratri	ντυ		
		-	ratri, many many greetings to all of			
H Hexaware Manuals	yöü	you. May Lord Shiva shower on you his blessings with happiness, prosperity & peace.		N NPTEL:		
Document Management		Start Date : 2020-02-21 End Date : 2020-02-22		NetAnalytiks'Sententia(Grammer/writing tool)		
E Electronics by Paul	< Prev		Next >	S Springer Link	r i	
C Chemistry Books				Kopykitab Virtual –Library		
M Management				Knimbus		
P Physics 2				Proquest		
Thysics 2				rioquest		
< Prev	Next >			< Prev	Next >	
		Featured	Books			
		NEERING	GRAY'S ANATOMY Judget Hander & Hander	JOURNEY INTOLIGHT HEEANDSCIENCE OF CURAMAN	>	

STATE AND

0.0



	From-Io		From-10		From-To	
Main Library Reference Section	09:00 AM	11:00 am	lunch break 12:00pm	lunch break 3:00pm	4:00pm	6;00pm
Monday to Friday	9.00 AM	01.00 PM	Lunch Break 01.00	Luch Break End 02.00	02.00 PM	5.30 PM

### And the bottom of home page



#### Library Timings(Only library open timings are mentioned)

	From-To		From-To	From-To		
Main Library Reference Section	09:00 AM	11:00 am	lunch break 12:00pm	lunch break 3:00pm	4:00pm	6;00pm
Monday to Friday	9.00 AM	01.00 PM	Lunch Break 01.00	Luch Break End 02.00	02.00 PM	5.30 PM
Sunday	09:00	1:30				
wednesday	9:00 AM	12:00PM				

Library Contact Info	Library Policy	Library Teams	Need Software Help?
9844081710 6364574490 info@easylibsoft.com	© Easylib Software Pvt Ltd	Version-6.2a	+919844081710 info@easylibsoft.com

#### $\leftarrow$ $\rightarrow$ C (i) Not Secure | 49.206.31.201:8086/easylib62a/index.php/memberController



#### Easylib University ( Demonstration ) Bengaluru

Welcome Shreepad Kumar

#### ञ 🤨 🛧 🕦 :

#### Shreepad Kumar Logout Session Started @ 10:55:24

#### See Your Activity Name Shreepad Kumar My Details Memberld 000006 Books Borrowed Department MATHEMATICS Books Requested Branch 1 SEM My Favourites UserProfile Student My Fine On Books Address bangalore My Digital Library

My Feedbacks In-Out History

**Circulation History** 

Change Password

Change Personal Data

Reservation list

Assignmemts

Library FeedBacks

Library Contact Info       Library Policy       Library Teams       Need Software Help?         9844081710 6364574490       +919844081710					
9844081710 6364574490 +919844081710	Library Contact Info	Library Policy	Library Teams	Need Software Help?	
info@easylibsoft.com © Easylib Software Pvt Ltd Version-6.2a info@easylibsoft.com		© Easylib Software Pvt Ltd	Version-6.2a		

### References



- <u>https://www.sciencedirect.com/topics/computer-science/balanced-scorecard-approach</u>
- https://hbr.org/1993/09/putting-the-balanced-scorecard-to-work
- <u>https://docs.lib.purdue.edu/cgi/viewcontent.cgi?referer=&httpsredir=1&</u> <u>article=1776&context=iatul</u>
- <u>https://libraryconnect.elsevier.com/articles/using-key-performance-indicators-measure-library-performance</u>
- <u>https://scholarworks.gsu.edu/cgi/viewcontent.cgi?article=1017&context</u> <u>=southeasternlac</u>
- <u>https://www.slideshare.net/eclasper1/library-metricsandmeasurement-wwwc14</u>
- <u>https://www.slideshare.net/eclasper1/library-metricsandmeasurement-wwwc14</u>



# **THANK YOU**

# Keep looking at and register for Webinars at <u>www.easylibsoft.com</u>

Vasu M Deshpande +91-97422,04624 vasumd@easylibsoft.com Siddalingeshwara H C 98457-45630 (Siddu) <u>sidduhc@easylibsoft.com</u>