



Technical Documentation

MyLOFT provides **Library patrons** access on mobile web app platform to libraries digital resources **any time, from anywhere**.

MyLOFT empowers patrons to Discover- Access- Organize and Share e-Content of their personal and professional interests seamlessly across mobile and web platforms using a Mobile App, Web App and Browser extension.

About Eclat:

Eclat Engineering Pvt. Ltd. provides world-class SAAS offerings for digital content access, delivery and analytics to global libraries and publishers.

Currently we have two flagship products. **RemoteXs** - is a SAAS offering that allows libraries to manage, analyze and offer single window Web based access to subscribed e-Resources anywhere-anytime.

MyLOFT (My Library On Finger Tips) - is a mobile web-app platform that allows empowers patrons to **Discover- Access- Organize and Share e-Content** of their personal and professional interests seamlessly across **mobile and web platforms** using a Mobile App, Web App and Browser extension.

It allows seamless access to library subscribed e-Resources with features like **offline reading, tagging, organizing articles into collections, TTS, sharing** etc.

Our current products leverage technologies such as Angular, React Native, NodeJS, Python, PHP, GraphQL, MySQL, Machine learning, Elasticsearch, AWS cloud and Drupal - across Android, iOS and Web applications.

Our team consists of members who have diverse skills and experience which include; Research, Software development and Sales with exposure to global clientele.

1. Supported Platforms:

MyLOFT is supported on multiple devices viaan Interface from where users can access IP authenticated access to eResources.

1. Mobile Applications (iOS andAndroid)
 - a. iOS - <https://apps.apple.com/us/app/myloft/id1247428589>
 - b. Android - <https://play.google.com/store/apps/details?id=com.eclat.myloft>
2. Web Application (<https://app.myloft.xyz>)
3. Browser Extensions (Chrome and Edge): Browser extension is a companion of MyLOFT Web App providing two major functions - Access to subscribed content & Ease of Saving any content from desktop browser.
 - a. Chrome Extension: <https://chrome.google.com/webstore/detail/myloft/hljakogpibfgelmoegmajaefcnefngd>
 - b. Edge Addon:<https://microsoftedge.microsoft.com/addons/detail/myloft/fpipfdkmjmeppohgfomgkaniobddgjic>

2. User Interface:

Once the registered user logs in to the MyLOFT portal for their institute they will be presented with below options:

1. **Home:**
 - Access to content subscribed by the institute, subscribed discovery services, recommended links and saved articles.
 - Bookmarks section for users to save upto 10 frequently visited websites for easy access.
2. **eResources**
 - All subscribed eResources - Database, Journals and eBooks are available for viewing here in their respective tabs.
 - To access these eResources users require 1. Internet access and 2. MyLOFT VPN Configuration app for iOS users. The VPN Configuration app does not actually act as VPN but only routes Institute content's domain traffic through an Approved Proxy server.
3. **Collections**
 - MyLOFT's equivalent for folders in Windows PC. Collections can be created by users to group and save the contents/articles.
 - Saved articles can be read later. Users can highlight the text extracts from the articles (HTML/PDF), also using Text to Speech support they can listen to the article content.

4. Notifications and Alerts

- MyLOFT allows users to share any saved articles which get shared as a link to fellow users. This shared link shows up under “Shared” section in Notifications.
- Institute gets a feature to send announcements to users which appears in Alerts section of the Notifications.

3. ADMIN PANEL

This component of MyLOFT is used by the institutional administrators for managing their users & subscribed content, enabling access control and sending announcements to users. In addition, admin can view/export various reports provided. The admin panel is can be accessed on URL : <https://admin.mvloft.xyz>

3.1. INSTITUTE CONTENT SETUP

There are three types of sub-division under the institute content section. 1) Database 2) Journals and 3) eBooks. Journals and eBooks are child entries of Database and hence during implementation need to first add Database and then Journals/e-books to any institutes portal.

1. Adding Institute Content

- Database can be selected from list of pre-configured entries. In case the required database is missing admin can send the request to add new content.
- Journals and eBooks can be added from a particular Database either by selecting individuals from the list, Selecting Preset packages or by Bulk Import.

2. PDF Limit

- Admin can restrict Number of PDFs which can be downloaded by a user in a day. So, for example if ACS has a limit of 50 PDF then USER A would be able to download 50 PDFs in a day and if it reaches the limit the access to ACS would get stopped for the rest of the day.

3. Expiry

- Using expiry date, Admin can set a specific date after which the content would disappear automatically from the list of Institute content from user Apps. This can be helpful where there is some time constraint on resource availability or its becoming hard to keep track of the end date of any subscription.

4. Status

- Admin can Activate/Deactivate particular resources at any point of time.

3.2. USER ONBOARDING

MyLOFT Provides below mentioned ways to onboard users

1. **Sign Up (Self-Registration)** - In this case, users can get themselves registered to the platform and associate their profiles with the Institute. In this case, users remain in “Pending Approval” state until the admin approves their request from the AdminPanel.
2. **Preload Users List** – In this case, admin first adds users data on Admin Panel either by individual entry (which obviously is not ideal for the first time due to volume of data entry. But, can be helpful for any ad-hoc user creation) or by Bulk Import.

3.3. ANNOUNCEMENT

With this option Admin would be able to send some announcements directly to users via Push Notifications. These announcements can have basic formatted content. Announcements can be targeted to:

1. All
2. One or More UserCategories
3. Selected users
4. Any set of users from Continuation report (** will be published with end of JulyRelease)

3.4. APP SETTINGS

1. Search Engines

Currently MyLOFT supports below listed discovery widget:

- Google
- EBSCO Discovery
- Summons
- GoogleScholar
- PubMed
- Microsoft Academic
- Baidu Scholar
- OvidDiscovery
- Scopus
- Google CustomSearch
- Primo Discovery
- ACS Search

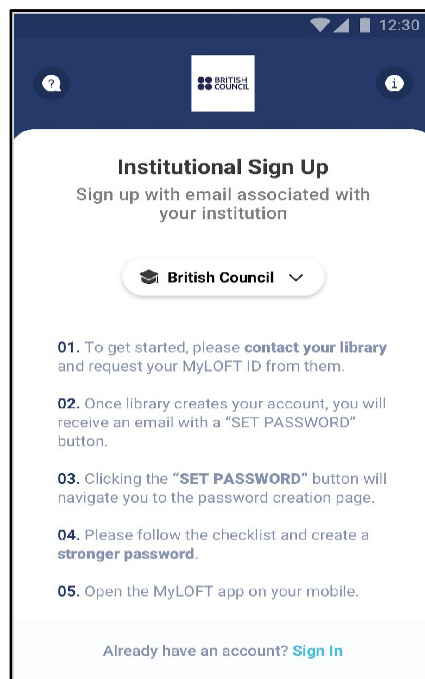
2. Authentication Protocols

Currently MyLOFT supports two types of Authentication using which the end-users can get in to the MyLOFT Clients i.e. Mobile Apps, Web App & extension.

- Built-in User ID/ Password based Authentication
- Google Sign-in - Applicable for institutes where users has google account as authorized email addresses

3. Sign Up Options

Using this setting sign up options for the end-users can be enabled/disabled and in case of any special flow required as per the institutional process then can include sign up instruction in absence of Sign Up option just to guide users and educate them about the process of getting themselves registered.



4. Recommended Links

MyLOFT allows institute admin to set 2 links as library recommended links which gets auto-populated to the institute users and is visible in the library recommendations section.

5. Home Layout Configuration:

Institute can provide a unique experience to their users by tweaking a few basic Home layout related things during the Implementation.

- Branding and Cover Image - This reflects in Mobile apps when users land on the Home screen.
- Bookmark/Recommended Links columns - This can be 3 columns or 4 Columns grid.
- Customize the Cover height - Can be small, medium, large or extralarge.

- Enable/Disable Voice enabled search - Currently we support english speech to text conversions so, in case the institute locale is non-english then voice support can be disabled.

3.5. REPORTS

The different reports that can be generated have been shown below along with options under them:

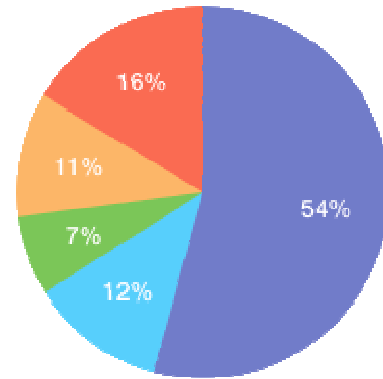
1. Article Download Reports

1.1. User Categorylevel

User Category Wise Report

USER CATEGORIES	ARTICLE SAVED
BCL India	70
BCL Sri Lanka	15
BCL Nepal	9
BCL Pakistan	14
BCL Sudan	21

User Category wise Download

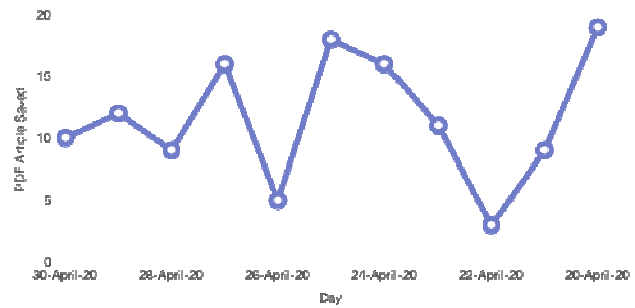


1.2. Daily usage report

Daily Download Report

DATES	PDF ARTICLE SAVED
30-April-20	10
29-April-20	12
28-April-20	9
27-April-20	16
26-April-20	5
25-April-20	16
24-April-20	16
23-April-20	11
22-April-20	3
21-April-20	9
20-April-20	19

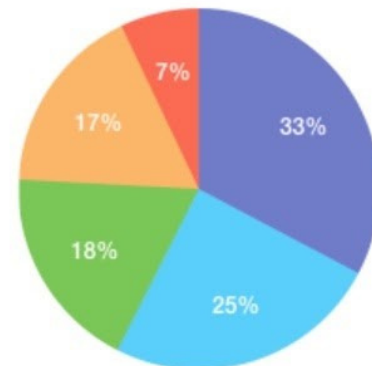
Daily Downloads



1.3. Publisher Wise Report -

Publisher Wise Report

RESOURCE DOMAIN	Articles Downloaded
rbdigitalglobal.com	66
digitaltheatre.com	50
proquest.com	36
jstor.com	34
pressreader.com	14



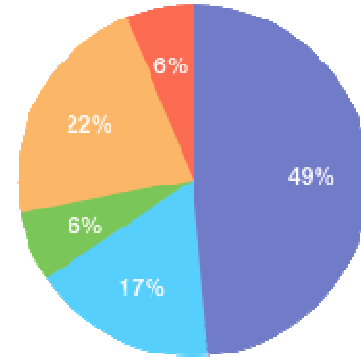
2. Data usage reports

2.1. User Category level (Country level report)

User Category wise data usage

USER CATEGORIES	DATA USAGE (MB)
BCL India	360
BCL Sri Lanka	340
BCL Nepal	130
BCL Pakistan	440
BCL Sudan	133

User Category wise Download

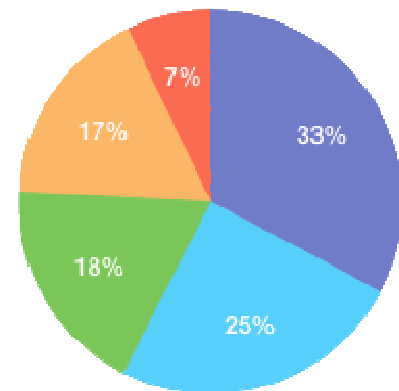


2.2. Resource Domain level

Resource Wise Data usage

RESOURCE DOMAIN	DATA USAGE (MB)
rdigitalglobal.com	570
digitaltheatre.com	431
prequest.com	320
jstor.com	298
pressreader.com	133

Resource Wise Data usage

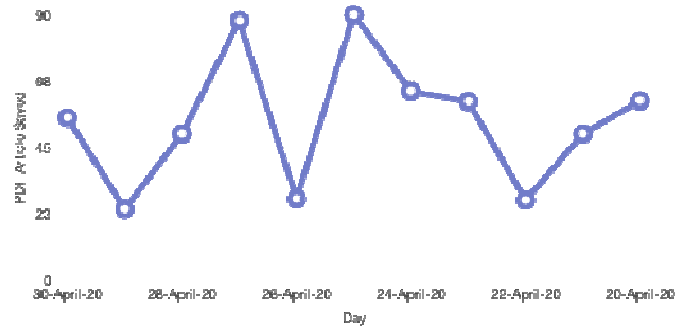


2.3. Daily usage report

Daily Data usage

USER CATEGORIES	DATA USAGE
30-April-20	56
29-April-20	24
28-April-20	50
27-April-20	86
26-April-20	26
25-April-20	90
24-April-20	64
23-April-20	61
22-April-20	27
21-April-20	50
20-April-20	61

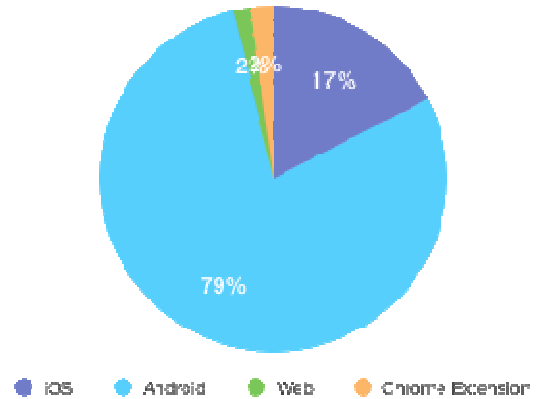
Daily Data Usage



3. User Analytics Reports

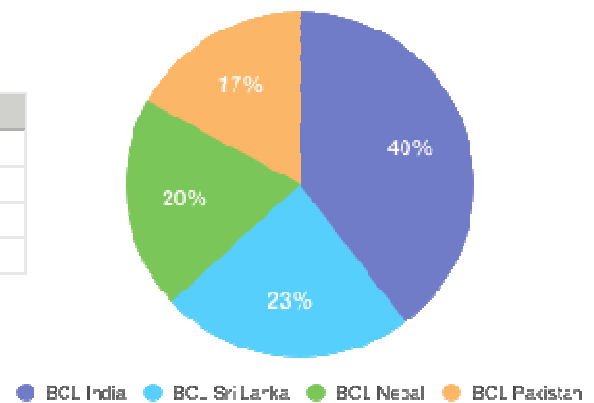
3.1. (Tab 1) Platform wise - iOS, Android, Web App, Chrome Extension, etc.

PLATFORMS	ACTIVE USERS
iOS	168
Android	460
Web	10
Chrome Extension	13



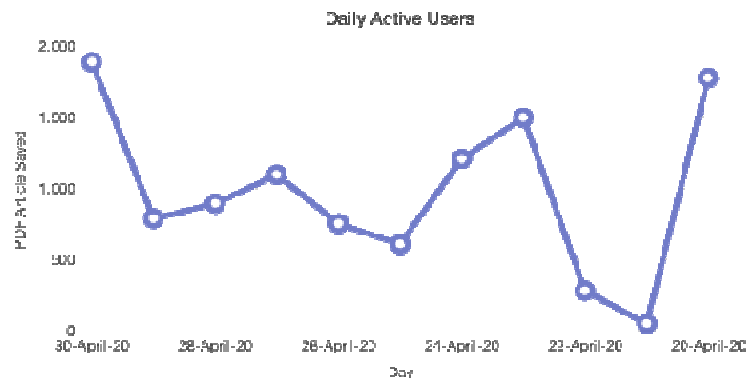
3.2. (Tab 2) User Category level (Country Level)

USER CATEGORY	ACTIVE USERS
BCL India	608
BCL Sri Lanka	573
BCL Nepal	354
BCL Pakistan	700



3.3. (Tab 3) Daily Active Users

Daily Active Users	
DATES	ACTIVE USERS
30-April-20	1,900
29-April-20	763
28-April-20	855
27-April-20	1,098
26-April-20	751
25-April-20	909
24-April-20	1,009
23-April-20	1,500
22-April-20	263
21-April-20	50
20-April-20	1,760



4. User Continuation Reports

User continuation usage behavior (% of user continually using the app, last time used, etc)



User Continuation Report

DATES	ACTIVE DURING LAST 7 DAYS	ACTIVE DURING 7-30 DAYS	ACTIVE DURING 30-90 DAYS	ACTIVE BEFORE 90 DAYS	NEVER LOGGED IN
India	1,230	789	895	1,098	230
Nepal	280	211	450	344	279
Sri Lanka	655	235	789	200	245
Pakistan	584	652	786	233	253
Sudan	156	287	287	690	800

4. MyLOFT Specification

Sr. No	Features available in Mobile and WebApp	Brief Description
Patron Features		
1	Single sign-on	One-time user login for seamless access to all eResources through Mobile and Webapp with Chrome Extension
2	Content discovery	Using voice-command search content in search engines recommended by your institution
3	Bookmark and Browse	Bookmark your favorite websites for one click access and browsing content of your personal interest

4	Access to eResources	Easy access to digital content such as latest Journal articles, Databases, eBooks, eNewspapers... subscribed by your Library. Also, icon for MyLOFT appears in front of the subscribed articles on search engine for easy navigation.
5	Save & Sync content offline	Save and Sync content between mobile and PC from Library eResources or your favorite websites, blogs, news feeds and read them offline
6	Organize content	Find saved articles and research papers by tagging and organizing them into collections
7	Share content	Share saved articles with authorized users
8	Alerts	Receive alerts & notifications from the library
9	Highlight and Listen (TTS)	The built-in article viewer allows clutter free text reading, highlighting, listening and more
10	Font change	Changing font size of the articles
11	Color theme for HTML articles	Changing color theme for HTML articles for night mode viewing
Admin Features		
	MyLOFT Admin dashboard provides snapshot of ongoing activities and allows administrator to manage all content and user related functions including setup and reporting.	
I	Content and Resource Management	
1	Managing subscribed eResources	Admin can easily add and remove eResources using master list.
2	User category-based resource access	Validity and Access to resources can be configured as per user category
3	Content recommendation	Staff can recommend content to specific group of users
4	Integration with 3rd party content providers	Standard IP based eContent access is available.
5	3rd party Widget integrations	Third party widgets for search engines can be integrated.

II User Management		
1	User authentication	Supports inbuilt authentication
2	Manage Users	Add, Edit and Delete users easily
3	Concurrent login	Restricts concurrent session on the same platform
4	Bulk import	Staff can import users from csv in a single click
5	User Category	Staff can create user categories easily
6	Auto Alerts	Send alerts and notifications based on user category
7	Sub Admin	This facility is available to delegate limited admin responsibilities.
III Data Analytics		
1	User category wise usage statistics	Admin can generate detailed reports based on user category/group
2	Resource wise usage statistics	Resource wise detailed usage reports available
3	Date/ Day wise usage statistics	Resource & user category wise reports available
VI System Availability & user experience		
1	Uptime	99.9%
2	Hosting Infrastructure	Amazon AWS Cloud
3	User Experience	Superior and won't depend upon Institute infrastructure
4	IT knowledge required to run the system	Library staff needs minimal IT skills to maintain the system
5	IT infrastructure requirement	Minimal. Actually, since the service is offered on cloud hosting model, Library doesn't need any dedicated IT infrastructure

5. MyLOFT Features

- **Voice Enabled Universal Search**

Discover content using voice-command in search engines recommended by your institutes.

- **Offline Reading**

Save contents from your favorite websites, blogs, news feeds or institute's subscribed eResources and read them offline.

- **Access to Subscribed eResources**

Easy access to latest journals articles, databases, eBooks or any other digital resources subscribed by your institute.

- **Tag and Organize**

Find saved articles and research papers by tagging and organizing them into collections.

- **Highlight and Listen (TTS)**

The built-in article viewer allows clutter free text reading, highlighting, listening and more

- **Auto-Synchronization**

Seamlessly access, organize, share and sync eContent between PC and Mobile while multitasking using Web App.

- **MyLOFT features for Administrators:**

1. Single window dashboard to administer user accounts and manage content.
2. Bulk upload facility for user data, databases and journals.
3. Detailed user category wise, resource wise and day wise Usage statistics : This will allow you to track the usage of all the subscribed e-resources and find the usage behavior of your users enabling you to take systematic management decision on providing better services and products to them.
4. MIS Reports generated can very well help in optimizing budget allocations towards eResources and eSubscriptions.
5. Allows administrator to easily send system generated email messages (like welcome email, password reset, custom messages, usage statistics etc) to all or select user categories and publishers.
6. Assign user category based per day data down load limit to monitor robotic downloads.