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## Customization of Koha OPAC: All user needs in a single window

Mohan Bandaru

*GITAM Institute of Medical Sciences and Research, GITAM( Deemed to be University),*  
mbandaru@gitam.edu

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# Customization of Koha OPAC: All user needs in a single window

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Mohan Bandaru, Library Assistant, GITAM Institute of Medical Sciences and Research, GITAM (Deemed to be University), Visakhapatnam, Andhra Pradesh – 530045.India.

ORCID: <https://orcid.org/0000-0001-7216-8855>.

**Abstract:** This paper presents a comprehensive step-by-step process for customizing the Koha Online Public Access Catalogue (OPAC) at GITAM Institute of Medical Sciences and Research, GITAM University, Visakhapatnam. The primary objective is to demonstrate the customization stages of the Koha OPAC, offering library professionals an opportunity to leverage its full potential. The key highlights include implementing "Koha New Arrivals 3D Cover flow Display on OPAC without Carousel Plug-in (without a server using)" and integrating Library Statistics within the OPAC.

**Methodology:** An experimental research approach was adopted to personalize the OPAC. The customization involved the utilization of HTML, CSS, and Java code to modify OPAC's front end, ensuring a tailored experience for users.

**Findings:** The Koha OPAC comprises six distinct sections: Header, Left (Upper & Bottom) Navigation, Main User Block (located at the centre of the OPAC for displaying content), Right Navigation, and Footer. The technology employed in the customization process is highly interactive, thereby allowing library professionals to customize the OPAC according to their needs, with the potential to explore advanced programming concepts.

**Originality:** This study's original contribution lies in empowering library professionals with the knowledge of new features and functionalities offered by Koha through the customization process. Furthermore, the customized OPAC provides users with a centralized platform to access open-access e-resources and subscribed databases, streamlining their research process and eliminating the need to remember specific URLs for various resources. Users can quickly search and access relevant resources with a single click, saving valuable time and effort.

**Keywords:** OPAC, Online Public Access Catalogue, Koha OPAC, OPAC Customization, Library Automation, HTML, CSS, JAVA.

## 1. Introduction:

Libraries play a crucial role in catering to their user community's diverse needs and demands by providing valuable resources and services. Koha has emerged as a pioneering and highly acclaimed open-source library management system to facilitate effective management and seamless access to library resources. Thanks to its exceptional features, Koha has rapidly gained popularity among users.

One primary method library users use to locate, and access resources is the Online Public Access Catalogue (OPAC) search. The Koha OPAC is a comprehensive platform that can be

transformed into a dynamic library portal, facilitating the dissemination of essential information to users. Notably, the Koha OPAC interface offers ample room for customization, allowing libraries to tailor the user experience according to their specific requirements.

The search results on the Koha OPAC are presented in three user-friendly formats: Standard, MARC, and ISBD views. Offering both basic and advanced search options, the OPAC significantly enhances the search capabilities, supporting Boolean inquiries and truncation for precise and efficient retrieval of relevant resources. Users can search by various criteria, such as title, author, co-author, editor, ISBN, accession number, subject, and keywords. Each search result provides convenient access to the electronic version of the item or indicates its physical location within the library.

The following sections of this paper will delve into the step-by-step process of customizing the Koha OPAC, focusing on key features like "Koha New Arrivals 3D Cover flow Display on OPAC without Carousel Plug-in" and the integration of Library Statistics. Through this customization process, library professionals can harness the full potential of Koha, empowering them to provide an enhanced and user-centric experience to library patrons. Additionally, the paper will highlight the significance of this customization in simplifying user access to open-access e-resources and subscribed databases, streamlining their research journey and saving valuable time. By facilitating a more seamless and efficient search and access experience, the customized Koha OPAC contributes to the overall success and effectiveness of the library's services.

## 1.1 Objectives:

**This study aims to achieve the following objectives:**

- **Customize the Koha OPAC using HTML, Java, and CSS commands:** The primary objective of this study is to demonstrate the step-by-step process of customizing the Koha OPAC through the utilization of HTML, Java, and CSS commands. The OPAC's front-end will be tailored to meet specific user and library requirements by employing these programming languages, providing an enhanced and personalized user experience.
- **Implement New Arrivals 3D Cover Flow Display on OPAC without using a carousel plug-in:** A key highlight of this study is integrating a New Arrivals 3D Cover Flow Display feature within the Koha OPAC, achieved without relying on a carousel plug-in. This visually appealing and interactive display will showcase the latest library collection additions, allowing users to explore new resources conveniently.
- **Evaluate the output after applying the customization commands:** To ensure the successful implementation of the customization process, the study will rigorously evaluate the output of the customized Koha OPAC. By conducting thorough testing and analysis, the researchers will verify the functionality and user-friendliness of the personalized features, ensuring a seamless and error-free user experience.

- ## 2. OPAC Customization

The screenshot displays the Koha 17.11.08 user interface. The top navigation bar includes links for Circulation, Patron, Search, and More. The main content area is divided into two columns. The left column contains a sidebar with icons for Circulation, Patrons, Advanced search, Item search, Lists, Authorities, E-resource management, Cataloging, Serials, Acquisitions, Reports, Tools, Koha administration, and About Koha. The right column shows the Tools menu, which includes links for Patron lists, Patron roles, Advanced search, Reports, Lists, Authorities, E-resource management, Cataloging, Serials, Acquisitions, Reports, Tools, Koha administration, and About Koha. The bottom of the screen shows a Windows taskbar with various application icons.

## Figure 2

The screenshot shows the layout of the Opac Main User Block. Red boxes highlight the following components:

- opacheader**: The top header bar.
- Search**: The search input field and the **Go** button.
- Advanced search | Authority search | Tag cloud**: The navigation links below the search bar.
- OpacNav**: The top navigation menu on the left.
- OpacNavBottom**: The bottom navigation menu on the left.
- OpacMainUserBlock**: The main content area.
- Log in to your account:**: The login section on the right, including the **Login:** and **Password:** labels, input fields, and the **Log In** button.
- OpacNavRight**: The right navigation menu.
- opaccredits**: The footer bar.

### Figure 3

## 2.2 System preferences related to content in OPAC editable blocks.

Name of the preference	Description
OPACHeader	Display library name either as text or image on OPAC heading space.
OPACNav	The left-hand column of the main page. This space is suitable for adding links to other websites using HTML.
OPACNavBottom	Another space below the OPACNav
OPACMainUserBlock	OPACMainUserBlock is the largest block on OPAC. It's a customizable space. Librarians can add text and images using HTML.
OPACCredits	Space at the Footer.
OPACNavRight	Enter the HTML that will appear below the login box on the right.
Quote of the day	Display random quotes on the OPAC home page.

**Table (1)** OPAC editable blocks

## 2.3 OPAC Header:

OPAC header can include an image and a few URL links. The picture should be a banner with the library's name, address, logo, and other details. To place the image in the OPAC's header, first, create an image. (I used Canva for logo design and stored it in Dropbox). To edit this header, the below HTML script is required.

```
<html>
<body>
<center>
<a href="http://gimsrlibrary.gitam.edu"></a>
</center>
</body> </html>
```

**Menu Bar:** The following HTML script is required to add a menu bar in OPAC.

```
<html>
<head>
<style>
ul {
list-style-type: none;
margin: 0;
padding: 0;
overflow: hidden;
background-color: #1100cf;
}
li {
float: left;
}
```

```

li a {
display: block;
color: white;
text-align: center;
padding: 14px 16px;
text-decoration: none;
}
li a:hover:not(.active) {
background-color: #111;
}
.active {
background-color: #04AA6D;
}
</style>
</head>
<body>
<ul>
<li><a class="active" href="http://gimsrlibrary.gitam.edu/#home">Home</a></li>
<li><a href="http://gimsrlibrary.gitam.edu/about">About</a></li>
<li><a href="http://gimsrlibrary.gitam.edu/contact">Contact</a></li>
<li><a href="http://gimsrlibrary.gitam.edu/news">News</a></li>
<li><a href="http://gimsrlibrary.gitam.edu/libraryservices">Library Services</a></li>
<li><a href="http://gimsrlibrary.gitam.edu/libraryusepolicies">Library Use Policies</a></li>
<li><a href="http://gimsrlibrary.gitam.edu/libraryuseguides">Library Use Guides</a></li>
<li><a href="http://gimsrlibrary.gitam.edu/webresources">Web Resources</a></li>
<li><a href="http://gimsr.gitam.edu">GIMSR Website</a></li>
<li><a href="http://gimsrlibrary.gitam.edu/gallery">Gallery</a></li>
</ul>
</body>
</html>

```



**Figure (4) OPAC Header and Menu Bar**


## 2.4 OpacCredits

OPACcredits consist of a contact us information about the library, developer information, and page hits counter. To effectively obtain the OPAC credits display, the HTML codes below should be incorporated in "OPAC Credits."

```

<Center>© GIMSR, 2022. All rights reserved. <br /><span style="font-size: small ;">< a
>GIMSR Central Library</a> Implemented and Customized by <a > GIMSR Library
Staff</a></span></center>
<Center><span style="font-size: small ;">< a>Contact :< /a> librariangimsr@gitam.edu <a
>Mobile :< /a> 0891-2866XXX </span></Center>
<Center>
<h10 style="font weight: bold; font-size: 15px ;"> Visitor Count:
<script type="text/JavaScript" src="//compteur.websiteout.com/js/22/0/10000/0"></script>
</h10>
</Center>
</div>

```

© GIMSR, 2022. All rights reserved.  
GIMSR Central Library Implemented and Customized by GIMSR Library Staff  
Contact: librariangimsr@gitam.edu Mobile: 0891-2866444 EXT:3984  
Visitor Count : 

**Figure (5) Footer Credits**

## 2.5 OPAC Main User Block

OPAC's main user block consists of content related to the library or any valuable information like new arrivals, different services of the library, etc. The administrator can also insert top circulated items and cover images in the OPAC main user block for compelling attraction. Here I display the 3D cover flow rotation (without using the carousel plug-in) with the help of HTML and CSS only. The following HTML code will fulfil the requirements.

```

<br>
<center><h3>New Arrivals (Books)</h3></center></a>
<!-- 3D Slideshow Section -->
<section id="slideshow">
<div class="entire-content">
<div class="content-carrousel">
<figure class="shadow"><a href="http://gimsrlibrary.gitam.edu/cgi-bin/koha/opac-
detail.pl?biblionumber=22449"target="_blank"></figure></a>
<figure class="shadow"><a href="http://gimsrlibrary.gitam.edu/cgi-bin/koha/opac-
detail.pl?biblionumber=22893"target="_blank"></figure></a>
<figure class="shadow"><a href="http://gimsrlibrary.gitam.edu/cgi-bin/koha/opac-
detail.pl?biblionumber=22534"target="_blank"></figure></a>
<figure class="shadow"><a href="http://gimsrlibrary.gitam.edu/cgi-bin/koha/opac-
detail.pl?biblionumber=22477"target="_blank"><img

```

```

<figure class="shadow"><a href="http://gimsrlibrary.gitam.edu/cgi-bin/koha/opac-
detail.pl?biblionumber=22609"target="_blank"></figure></a>
<figure class="shadow"><a href="http://gimsrlibrary.gitam.edu/cgi-bin/koha/opac-
detail.pl?biblionumber=22916"target="_blank"></figure></a>
<figure class="shadow"><a href="http://gimsrlibrary.gitam.edu/cgi-bin/koha/opac-
detail.pl?biblionumber=22431"target="_blank"></figure></a>
<figure class="shadow"><a href="http://gimsrlibrary.gitam.edu/cgi-bin/koha/opac-
detail.pl?biblionumber=22890"target="_blank"></figure></a>
<figure class="shadow"><a href="http://gimsrlibrary.gitam.edu/cgi-bin/koha/opac-
detail.pl?biblionumber=22434"target="_blank"></figure></a>
</div>
</div>
</section>
<html>
<head>
<style>
#customers {
font-family: Arial, Helvetica, sans-serif;
border-collapse: collapse;
width: 100%;
}
#customers td, #customers th {
border: 1px solid #ddd;
padding: 8px;
}
#customers tr:nth-child(even){background-color: #f2f2f2;}
#customers tr:hover {background-color: #ddd;}
#customers th {
padding-top: 12px;
padding-bottom: 12px;
text-align: left;
background-color: #04AA6D;
color: white;
}
p {text-align: justify ;}
</style>

```



```

</head>
<body>
<center><h3>Welcome to Central Library, GIMSR</h3></center>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<style>
#more {display: none;}
</style>
</head>
<body>
<p>GITAM Institute of Medical Sciences and Research Central Library is located on the
ground floor of the GIMSR College main building. To cater to the medical information
needs of faculty, students, and staff in support of the teaching, the library has a vast
collection of medical literature in the form of books, journals, bound volumes, and non-book
materials (CDs, DVDs) dealing with <span id="dots">...</span><span
id="more">Anesthesia, Anatomy, Biochemistry, Community Medicine, Dermatology, ENT,
Forensic Medicine, Medicine, Genecology, Surgery, Obstetrics, Microbiology, Orthopedics,
Ophthalmology, Pediatrics, Pathology, Pharmacology, Physiology, Psychiatry,
Pulmonology, Radio diagnosis, etc. literature. Books are classified according to Dewey
Decimal Classification (DDC). The arrangement of books is done alphabetically (subject-
wise).
<br></br>
User-friendly library software called Koha has been adopted at the Central Library. This
internationally recognized software facilitates automated circulation (issue & return) of the
books and speedy access to bibliographies, locations and availability information of the
books stocked in the library.</span></p>
<button onclick="myFunction()" id="myBtn">Read more</button>
<script>
functionmyFunction() {
var dots = document.getElementById("dots");
varmoreText = document.getElementById("more");
varbtnText = document.getElementById("myBtn");
if (dots.style.display === "none") {
dots.style.display = "inline";
btnText.innerHTML = "Read more";
moreText.style.display = "none";
} else {
dots.style.display = "none";
btnText.innerHTML = "Read less";
moreText.style.display = "inline";
}
}
</script>
</body>

```

### <center>Digital Library</center>

<p>Digital Library is equipped with 40 internet PCs. Various e-Journals and e-Resources are made available to the students, interns, staff, and faculty members of the Institution through the Digital Library.</p>

### <center>Library Collections</center>

<p>The central library holdings are approximately 12964 including books and bound volumes of journals. Library also has a small collection of CD-ROMs and Audio/Video cassettes. Library subscribes to the core research journals in the areas of interest and has online access to over 2600 journals. Library also subscribes to electronic resources such as UpToDate, MEDLINE Ultimate. </p>

### <center>Open Access Web Resources</center>

<br> <marquee direction="left" scrolldelay=200  
onmouseover="this.setAttribute('scrollamount', 0, 0);" onmouseout="this.setAttribute('scrollamount', 8, 0);">  
<a href="https://www.ncbi.nlm.nih.gov/pmc/"target="\_blank"></a>  
<a  
href="https://medlineplus.gov/"target="\_blank"><imgsrc="https://medlineplus.gov/images/  
m\_logo\_primary.png" width="150" height="60" </a>  
<a href="https://library.gitam.edu/resources.php"target="\_blank">  
<a href="https://www.tandfonline.com/topic/allsubjects/me"target="\_blank">  
<a href="https://doaj.org/"target="\_blank">  
<a href="https://www.cochranelibrary.com/"target="\_blank">  
<a href="https://www.medscape.com/"target="\_blank">  
</marquee>

### New Arrivals (Books)



### Welcome to Central Library, GIMSR

GITAM Institute of Medical Sciences and Research Central Library is located on the ground floor of the GIMSR College main building. To cater to the medical information needs of faculty, students, and staff in support of the teaching, the library has a vast collection of medical literature in the form of books, journals, bound volumes, and nonbook materials (CDs, DVDs) dealing with ...

[Read more](#)

### Digital Library

Digital Library is equipped with 40 internet PCs. Various e-Journals and e-Resources are made available to the students, interns, staff, and faculty members of the Institution through the Digital Library.

### Library Collections

The central library holdings are approximately 12964 including books and bound volumes of journals. Library also has a small collection of CD-ROMs and Audio/Video cassettes. Library subscribes to the core research journals in the areas of interest and has online access to over 2600 journals. Library also subscribes to electronic resources such as UpToDate, MEDLINE Ultimate.

### Open Access Web Resources



Figure (6) OPAC Main User Block Output

## 2.6 OPAC LeftNavigationUpper (OPACNav)

This section of the Koha OPAC is primarily helpful for essential links. The administrator can add valuable links here that library users can easily find. These links may consist of open-access/subscribed e-resources. To insert the links in the 'OPACNav' part following HTML commands can be used.

```
<head>
<style>
#OpacNavLeft {
border-collapse: collapse;
width: 100%;
}
#OpacNavLeft td, #OpacNavLeftth {
```

```

border: 1px solid #ddd;
padding: 8px;
}#OpacNavLeftth {
padding-top: 8px;
padding-bottom: 8px;
text-align: Left;
background-color: #0041C2;
color: white;
}</style>
</head>
<body>
<table id="OpacNavLeft">
<tr>
<th colspan="2"> Databases</th>
</tr>
<tr>
<td>
<p><a href="https://www.uptodate.com/"target="_blank">UpToDate</a></p>
</td>
</tr>
<tr>
<td>
<p><a href="https://search.ebscohost.com/"target="_blank">Medline</a></p>
</td>
</tr>
</table>
</body>
</html>

```

Databases
UpToDate
Medline

**Figure (7) Left Navigation Upper**

## 2.7 OPAC Left Navigation Bottom (OPACNavBottom)

OPAC left navigation bottom is the same as OPAC left navigation upper. OPAC Left Navigation Bottom block command for inserting valuable links in the "OPAC Left Navigation Bottom." The following HTML script is required for display.

```

</body>
</html>
<head>
<style>
#OpacNavLeft{
border-collapse: collapse;
width: 100%;
} #OpacNavLeft td, #OpacNavLeft {
border: 1px solid #ddd;
padding: 8px;
} #OpacNavLeft {
padding-top: 12px;
padding-bottom: 12px;
text-align: left;
background-color: #0041C2;
color: white;
}
</style>
</head>
<body>
<table id="OpacNavLeft">
<tr> <th colspan="2"> Quick Links </th> </tr> <tr> <td>
<p><a href="https://login.gitam.edu/Login.aspx"target="_blank">My-GITAM</a></p>
</td> </tr> <tr> <td>
<p><a href="https://gpay.gitam.edu/"target="_blank">G-Pay</a></p>
</td> </tr>
</table>
</body>
</html>

```

## 2.8 Opac Navigation Right (OpacNavRight)

The opac navigation is on the right side, and the administrator can put any useful links or information through HTML coding per their needs.

```

<table id="OpacNavLeft">
<tr> <th colspan="2"> Useful Links </th> </tr>
<tr> <td> <p>
<a href="https://sites.google.com/gitam.edu/gimsr-library"target="_blank">e-
Portfolio</a></p> </td> </tr>
</table>
</body>
</html>
<table id="OpacNavLeft">

```

```

<table id="OpacNavLeft">
<tr> <th colspan="2"> Useful Links </th> </tr>
<tr> <td> <p><a href="https://sites.google.com/gitam.edu/gimsr-library"target="_blank">e-
Portfolio</a></p> </td> </tr>
</table>
</body>
</html>
<table id="OpacNavLeft">
<tr> <th colspan="2"> Research Tools </th> </tr> <tr> <td>
<p><a href="https://app.grammarly.com/"target="_blank">Grammarly</a></p>
</td> </tr> <tr> <td>
<p><a href="https://scholar.google.com/"target="_blank">Google Scholar</a></p>
</td> </tr> <tr> <td>
<p><a href="https://www.copyscape.com/"target="_blank">Copyscape</a></p>
</td> </tr>
</table>
</body>
</html>
<table id="OpacNavLeft">
<tr> <th colspan="2"> GIMSR Research </th> </tr> <tr> <td>
<p><a
href="https://gimsr.gitam.edu/research/publications"target="_blank">Publications</a></p>
</td> </tr> </table>
</body>
</html>
<table id="OpacNavLeft">
<tr> <th colspan="2"> Journals (New Arrivals) </th> </tr>
</table>
</body>
</html>
<br>
<html>
<style>
.mySlides {display: none;}
img {vertical-align: middle;}
/* Slideshow container */
.slideshow-container {
position: relative;
margin: auto;
}/* Caption text */
.text {
color: #f2f2f2;
font-size: 15px;
padding: 8px 12px;

```

```

position: absolute;
bottom: 8px;
width: 100%;
text-align: center;
}/* Number text (1/5 etc) */
.numbertext {
color: #f2f2f2;
font-size: 12px;
padding: 8px 12px;
position: absolute;
top: 0;
}/* The dots/bullets/indicators */
.dot {
height: 12px;
width: 12px;
margin: 0 2px;
background-color: #bbb;
border-radius: 50%;
display: inline-block;
transition: background-color 0.6s ease;
}.active {
background-color: #717171;
}
/* Fading animation */
.fade {
animation-name: fade;
animation-duration: 3.5s;
}@keyframes fade {
from {opacity: .4}
to {opacity: 1}}
</style>
<body>
<div class="slideshow-container">
<div class="mySlides fade">
<div class="numbertext">1 / 5</div>
<a href="http://gimsrlibrary.gitam.edu/cgi-bin/koha/opac-
detail.pl?biblionumber=18028"target="_blank">
<div class="text">Indian Journal of Physiology & Pharmacology</div></div>
<div class="mySlides fade">
<div class="numbertext">2 / 5</div>
<a href="http://gimsrlibrary.gitam.edu/cgi-bin/koha/opac-
detail.pl?biblionumber=21745"target="_blank">

```

```

<div class="text">Indian Journal of Critical Care Medicine</div></div>
<div class="mySlides fade">
<div class="numbertext">3 / 5</div>
<a href="http://gimsrlibrary.gitam.edu/cgi-bin/koha/opac-
detail.pl?biblionumber=18034"target="_blank">
<div class="text">Indian Journal of Dermatology, Venereology & Leprology</div></div>
<div class="mySlides fade">
<div class="numbertext">4 / 5</div>
<a href="http://gimsrlibrary.gitam.edu/cgi-bin/koha/opac-
detail.pl?biblionumber=18793"target="_blank">
<div class="text">Indian Journal of Otolaryngology Head and Neck Surgery</div></div>
<div class="mySlides fade">
<div class="numbertext">5 / 5</div>
<a href="http://gimsrlibrary.gitam.edu/cgi-bin/koha/opac-
detail.pl?biblionumber=18798"target="_blank">
<div class="text">Indian Journal of Orthopedics</div></div></div> <br>
<div style="text-align:center">
<span class="dot"></span>
<span class="dot"></span>
<span class="dot"></span>
<span class="dot"></span>
<span class="dot"></span>
</div> <script>
let slideIndex = 0;
showSlides();
function showSlides() {
let i;
let slides = document.getElementsByClassName("mySlides");
let dots = document.getElementsByClassName("dot");
for (i = 0; i < slides.length; i++) {
slides[i].style.display = "none";
} slideIndex++;
if (slideIndex > slides.length) { slideIndex = 1 }
for (i = 0; i < dots.length; i++) {
dots[i].className = dots[i].className.replace(" active", "");
} slides[slideIndex-1].style.display = "block";
dots[slideIndex-1].className += " active";
setTimeout(showSlides, 2000); // Change image every 2 seconds
} </script> </body> </html>

```



Quick Links
<a href="#">My-GITAM</a>
<a href="#">G-Pay</a>
Useful Links
<a href="#">e-Portfolio</a>
Research Tools
<a href="#">Grammarly</a>
<a href="#">Google Scholar</a>
<a href="#">Copyscape</a>
GIMSR Research
<a href="#">Publications</a>
Journals (New Arrivals)



**Figure (8) Left Navigation Bottom**

## 2.8 Opac Navigation Right (OpacNavRight)

The administrator can put library timings, membership privileges, and other useful links in the OPAC navigation right side. Here I use the following HTML code.

```
<head>
<style>
#OpacNavRight {
border-collapse: collapse;
width: 100%;
}#OpacNavRight td, #OpacNavRightth {
border: 1px solid #ddd;
padding: 8px;
```

```

}#OpacNavRightth {
padding-top: 12px;
padding-bottom: 12px;
text-align: left;
background-color: #0041C2;
color: white;
}</style>
</head>
<body>
<table id="OpacNavRight">
<tr> <th colspan="2">Library Hours</th> </tr> <tr>
<td colspan="2"><b>24x7</b><strong> Reading Room - Round the clock
</strong><br>
</td> <td>
Monday - Saturday
</td> <td>
9:00am - 9:00pm
</td> </tr> <tr> <td>
Sundays and Institute Holidays
</td> <td> Closed </td> </tr>
</table>
</body>
</html>

```

Library Hours	
24x7 Reading Room - Round the clock	
Monday - Saturday	9:00am - 9:00pm
Sundays and Institute Holidays	Closed
Library Committee	
<a href="#">Library Committee</a>	
Library Rules	
<a href="#">Library Rules</a>	

**Figure (9) OPAC Right Navigation**

## 2.9 OPACUserJS:

JavaScript can apply for OPAC modification.

```

$(document).ready(function(){
  $("h1#libraryname a").attr("href","http://gimsr.gitam.edu/.com.au/");
});
$("select[name='idx']").append("<option value='bc'>Accession No.</option>");
$(window).on('load', function () {
  $('.no-image').remove();
});
$('#daily-quote h1').text('Wisdom of the Day');
<Link href={url}>
<a target="_blank">Click this link</a>
</Link>

```

## 2.10 OPACUserCSS:

CSS (Cascading Style Sheets) is a style sheet language that beautifies the OPAC interface. Koha users can apply CSS here to make the OPAC beautiful. Here the following CSS script is required to decorate the OPAC user interface.

```

.sub-menu-parent {position: relative; }

.sub-menu {
visibility: hidden; /* hides sub-menu */
opacity: 0;
position: absolute;
top: 100%;
left: 0;
width: 100%;
transform: translateY(-2em);
z-index: -1;
transition: all 0.3s ease-in-out 0s, visibility 0s linear 0.3s, z-index 0s linear 0.01s;
}
.sub-menu-parent:focus .sub-menu,
.sub-menu-parent:focus-within .sub-menu,
.sub-menu-parent:hover .sub-menu {
visibility: visible; /* shows sub-menu */
opacity: 1;
z-index: 1;
transform: translateY(0%);
transition-delay: 0s, 0s, 0.3s; /* this removes the transition delay so the menu will be visible while the other styles transition */
}
/* presentational */
body { padding: 2%; font: 14px/1.4 sans-serif; }
nav a { color: #0076b2; display: block; padding: 0.5em 1em; text-decoration: none; }

```

```
nav a:hover { color: #FFFFFF; }
navul,
navul li { list-style-type: none; padding: 0; margin: 0; }

nav>ul { background: #0041C2; text-align: center; font-weight: 550;}
nav>ul> li { display: inline-block; border-left: solid 1px #aaa; }
nav>ul>li:first-child { border-left: none; }
.sub-menu {
background: #DDD;
}
```

```
/* 3D Slideshow */
* {
margin: 0;
padding: 0;
}#slideshow {
margin: 0 auto;
padding-top: 0px;
height: 300px;
width: 100%;
}.slideshow-title {
font-family: 'Allerta Stencil';
font-size: 62px;
color: #fff;
margin: 0 auto;
text-align: center;
margin-top: 25%;
letter-spacing: 3px;
font-weight: 300;
}.sub-heading {
padding-top: 50px;
font-size: 18px;
} .sub-heading-two {
font-size: 15px;
} .sub-heading-three {
font-size: 13px;
} .sub-heading-four {
font-size: 11px;
} .sub-heading-five {
font-size: 9px;
} .sub-heading-six {
font-size: 7px;
} .sub-heading-seven {
font-size: 5px;
} .sub-heading-eight {
```

```
font-size: 3px;
} .sub-heading-nine {
font-size: 1px;
}.entire-content {
margin: auto;
width: 190px;
perspective: 1000px;
position: relative;
padding-top: 30px;
} float: right;
animation: rotar 20s infinite linear;
transform-style: preserve-3d;
}.content-carrousel {
width: 80%;
position: absolute;
.content-carrousel:hover {
animation-play-state: paused;
cursor: pointer;
}content-carrousel figure {
width: 80%;
height: 150px;
border: 2px solid #3b444b;
overflow: hidden;
position: absolute;
}.content-carrousel figure:nth-child(1) {
transform: rotateY(0deg) translateZ(300px);
} .content-carrousel figure:nth-child(2) {
transform: rotateY(40deg) translateZ(300px);
} .content-carrousel figure:nth-child(3) {
transform: rotateY(80deg) translateZ(300px);
} .content-carrousel figure:nth-child(4) {
transform: rotateY(120deg) translateZ(300px);
} .content-carrousel figure:nth-child(5) {
transform: rotateY(160deg) translateZ(300px);
} .content-carrousel figure:nth-child(6) {
transform: rotateY(200deg) translateZ(300px);
} .content-carrousel figure:nth-child(7) {
transform: rotateY(240deg) translateZ(300px);
} .content-carrousel figure:nth-child(8) {
transform: rotateY(280deg) translateZ(300px);
} .content-carrousel figure:nth-child(9) {
transform: rotateY(320deg) translateZ(300px);
} .content-carrousel figure:nth-child(10) {
transform: rotateY(360deg) translateZ(300px);
}
```

```

.shadow {
position: absolute;
box-shadow: 0px 0px 20px 0px #000;
border-radius: 1px;
}.content-carrousel img {
image-rendering: auto;
transition: all 300ms;
width: 100%;
height: 100%;
}.content-carrousel img:hover {
transform: scale(1.2);
transition: all 300ms;
}
@keyframesrotar {
from {
transform: rotateY(0deg);
} to {
transform: rotateY(360deg);
}
}
#daily-quote {
background-color:#FFFFFF;
border:2px solid #C0C0C0;
border-radius:15px 15px 15px15px;
margin:0 0px 0px;
text-align:center;
width:auto;
} #daily-quote-text{
color: Green;
font-weight: bold;
} #daily-quote-source {
color: Red;
font-weight: bold;
}body { background-color: #DCDCDC;}
body { background-image: url("#");}
element.style {
} #moresearches li a {
display: inline-block;
color: #0e2feb;
border: 1px solid #CCC;
background: FEFEFE;
box-shadow: 0 0 5px -1px rgb(0 0 0 / 20%);
cursor: pointer;
vertical-align: middle;
padding: 2px;
text-align: center;
border-radius: 5px;

```

### 3. Library Statistics

Statistics is a scientific way of representing data and analyzing data. So that librarians find whatever activity they are doing, these activities should be most relevant and showable to organizations/funding bodies.

#### Need of Library Statistics:

- Library statistics are necessary for effective management.
- Budget allocation.
- Statistics are aimed at decision-makers for strategic planning.
- The usage of library collections and services can be measured.
- Data about library use indicates the value of libraries.

The below information can be put in OPAC's right navigation bottom, then "save."

Every library has the following areas statistical reports. Here I used Canva to design these statistics.

```
<div style="position: relative; width: 100%; height: 0; padding-top: 75.0000%;  
padding-bottom: 0; box-shadow: 0 2px 8px 0 rgba(63,69,81,0.16); margin-top: 1.6em;  
margin-bottom: 0.9em; overflow: hidden;  
border-radius: 8px; will-change: transform;">  
<iframe loading="lazy" style="position: absolute; width: 100%; height: 100%; top: 0; left: 0;  
border: none; padding: 0; margin: 0;"  
src="https://www.canva.com/design/DAFSqvhGZDI/view?embed"  
allowfullscreen="allowfullscreen" allow="fullscreen">  
</iframe> </div>  
<b><center><a>Library Statistics</a></center></b>
```




## 4. Library Orientation

Library Orientation PPT provides different services; resources will help the user understand how best to utilize library facilities. The library's orientation guide helps new campus members navigate the library's expansive collections and any further updates from time to time in libraries.

The below script can be put in OPAC's right navigation bottom, then "save all OPAC preferences." Here I used Canva to design these infographic slides.

```
<div style="position: relative; width: 100%; height: 0; padding-top: 56.2500%;  
padding-bottom: 0; box-shadow: 0 2px 8px 0 rgba(63,69,81,0.16); margin-top: 1.6em;  
margin-bottom: 0.9em; overflow: hidden;  
border-radius: 8px; will-change: transform;">  
<iframe loading="lazy" style="position: absolute; width: 100%; height: 100%; top: 0; left: 0;  
border: none; padding: 0; margin: 0;"  
src="https://www.canva.com/design/DAFSvpqAQkE/view?embed"  
allowfullscreen="allowfullscreen" allow="fullscreen">  
</iframe> </div>  
<b><center><a> Library Orientation </a></b></center>
```



### INTRODUCTION

Library is the heart of any institution. It is soul of any learning institution. GIMSR established its central air-conditioned library in the year 2015 and started its function with a vision to serve the information needs of its users and it mainly holds books related to Medical and allied subjects. The central library automated with KOHA (open source) library integrated software with using RFID technology. The library collection is about 12,964 Volumes with titles of 2065. The main objectives of the central library continue to be the major knowledge hub, to provide user friendly environment and to provide the right information to the right user at the right time.

### OBJECTIVES OF THE LIBRARY

- 1. Cultivate the reading habits among the students and teaching community.
- 2. Provide accessibility to information in well-organized and coherent manner.
- 3. Provide facilities and services for teaching community and students to discover needed information and use them according to their needs.
- 4. Develop an efficient and effective GIMSR Library which is adaptable to changing academic environment.

### LIBRARY ADVISORY COMMITTEE

NAME	DESIGNATION	COMMITTEE
Dr. C. S. Reddy	Head of Library	Chairman
Dr. C. S. Reddy	Head of Library	Member
Dr. C. S. Reddy	Head of Library	Member
Dr. C. S. Reddy	Head of Library	Member
Dr. C. S. Reddy	Head of Library	Member
Dr. C. S. Reddy	Head of Library	Member
Dr. C. S. Reddy	Head of Library	Member
Dr. C. S. Reddy	Head of Library	Member
Dr. C. S. Reddy	Head of Library	Member
Dr. C. S. Reddy	Head of Library	Member

### LIBRARY RULES

- 1. Students are required to carry ID card while entering the library. All the books issued by the lending section are checked at the security desk to avoid pilferage.
- 2. The students can be removed only for two weeks, i.e., a student can keep the books for a maximum period of four weeks and after that it cannot be renewed further. However it can be renewed, if there is no demand in the date.
- 3. The users are advised not to carry bags, wallets and extraneous etc., into the library.
- 4. In case a book is lost, the borrower should pay double the cost of the book if it is an Indian publication and four times the cost of the book, if it is a foreign publication and is liable for fine also.

### LIBRARY RULES

- 1. Before borrowing and accepting the books, the borrower has to make sure that the books are in sound condition.
- 2. Absence and fines are not acceptable excuses for exemption from paying overdue charges.
- 3. Users are required to submit their identity card while entering the various sections of the library.
- 4. Before entering the library, users should deposit their own textbooks, books borrowed from the library and any other personal material to the property counter and obtain a token from the security guard. They will be permitted to carry into the library textbooks, white papers and suitable belongings only.

### LIBRARY RULES

- 1. Strict silence is required inside the library, as it is necessary for quiet study.
- 2. "Smoking" "drinking" "using cell phones" "indulging in discussions" any other activity detrimental to academics is strictly prohibited.
- 3. Persons are strictly prohibited and those involved in such activities will be asked to vacate the library immediately by the library personnel.
- 4. The library staff are also available to extend necessary help if needed.
- 5. Photo identity card is not mandatory.

### LIBRARY RULES

- 1. Books and journals are to be borrowed in person.
- 2. Users are cautioned not to throw any litter in the library.
- 3. Users are advised not to misplace books on the racks from their original position.
- 4. Production of 'No Dues Certificate' from the library is essential for obtaining hall ticket to appear for 'final' semester end examinations.
- 5. Loss of identity cards should be reported immediately to the librarian and duplicate card will be issued on payment.

### LIBRARY SECURITY

CC cameras are installed in the library and they are connected to central CCTV to monitor all the areas of the library and 24/7 reading room.

### LIBRARY LEARNING RESOURCES

Library No. of Books	12,964
Titles	2905
Dept. Library Books	643
No. of Journals (Print)	23
Bound Volume	242
Database	2
E- Journals	260

### MEMBERSHIP PRIVILEGES

Category of Member	No. of Books that can be issued	Duration of issue
Faculty & Academic Staff	2	90 Days
PG Students	2	35 Days
UG Students	2	35 Days
Paramedical Students	2	35 Days

### LIBRARY SECTIONS

- 1. Lending Section
- 2. Reference Section
- 3. Faculty Reading Room
- 4. PG Reading Room
- 5. Audio/Visual Room
- 6. Photocopy Room
- 7. Digital Library
- 8. 24/7 Reading Room

### LIBRARY SEATING CAPACITY

Area	No. of Seats
Faculty Reading Room	32
Reference Section	150
24/7 Reading Room	150
Digital Library	40
PG Reading Room	32
Journal Section	32

### CENTRAL LIBRARY BOOKS & TITLE LIST

Sr No	Central Library Books	Year Title	Total Title
1	Anatomy	146	505
2	Biotechnology	186	730
3	Physiology	147	490
4	Communicable Diseases	247	420
5	Genetics	231	343
6	Microbiology	208	404
7	Pharmacology	130	507
8	Nutrition	111	524
9	General Medicine	302	2112
10	General Surgery	435	539
11	Neurology	101	305

### CENTRAL LIBRARY BOOKS & TITLE LIST

Sr No	Central Library Books	Year Title	Total Title
12	Pathology	129	238
13	Imaging	127	302
14	Ophthalmology	137	598
15	Otorhinolaryngology	204	758
16	Endocrinology	213	474
17	Immunology & Serology	151	498
18	Anesthesiology	151	311
19	Reproductive Medicine	46	141
20	Opthalmology	202	400

### CENTRAL LIBRARY COLLECTION DEVELOPMENT

Year	Central Library Books Acquisition Numbers	No. of Books
2014-2015	00001-00046	5246
2015-2016	00047-00413	865
2016-2017	00414-00510	1007
2017-2018	00511-00673	1664
2018-2019	00674-00853	1780
2019-2020	00854-00912	47
2020-2021	00913-01015	2002
2021-2022	01016-01204	1891

### LIBRARY SUBSCRIBED DATABASES

#### MEDLINE

MEDLINE (Medical Literature Analysis and Retrieval System Online, or MEDLARS Online) is a bibliographic database of life sciences and biomedical information. It includes bibliographic information for articles from academic journals covering medicine, nursing, pharmacy, dentistry, veterinary medicine, and health care.

#### UP2DATE

The Up2date system is an evidence-based clinical resource. It includes a collection of medical and patient information, access to fast-copy drug monographs and drug-drug interactions, and a number of medical calculators. Up2date is written by over 7,000 physician authors, editors, and peer reviewers.

### LIBRARY SERVICES

- 1. Book Lending Service
- 2. Reference Service
- 3. Overnight Issue Service
- 4. Book Reservation
- 5. Internet Browsing Service
- 6. Bibliography Service

### LIBRARY SERVICES

- 1. Departmental Libraries
- 2. Previous Year Question Papers Database
- 3. OPAC Facility
- 4. Newspapers
- 5. Institutional Digital Repositories
- 6. Library Orientation Service
- 7. CAS IIR Services

### NEW ARRIVALS DISPLAY







Finally, Overall Library OPAC Outlook like below.

The screenshot displays the OPAC interface for the GITAM Institute of Medical Sciences and Research Central Library. The header includes the Koha logo, navigation links (Home, About, Contact, News, Library Services, Library Use Policies, Library User Guides, Web Resources, GIMSR Website, Gallery), and a search bar. The main content area features a 'Quote of the Day' by William J. Mayo, 'New Arrivals (Books)' with book covers, and a 'Welcome to Central Library, GIMSR' message. The left sidebar contains links to Databases, Quick Links, Useful Links, Research Tools, and GIMSR Research. The right sidebar includes Library Hours, Library Committee, Library Rules, and Library Statistics. The footer provides contact information and a visitor count.

**Quote of the Day**  
 "The aim of medicine is to prevent disease and prolong life; the ideal of medicine is to eliminate the need of a physician." ~ William J. Mayo

**New Arrivals (Books)**

**Welcome to Central Library, GIMSR**  
 GITAM Institute of Medical Sciences and Research Central Library is located on the ground floor of the GIMSR College main building. To cater to the medical information needs of faculty, students, and staff in support of the teaching, the library has a vast collection of medical literature in the form of books, journals, bound volumes, and nonbook materials (CDs, DVDs) dealing with ...

**Digital Library**  
 Digital Library is equipped with 40 internet PCs. Various e-Journals and e-Resources are made available to the students, interns, staff, and faculty members of the Institution through the Digital Library.

**Library Collections**  
 The central library holdings are approximately 12964 including books and bound volumes of journals. Library also has a small collection of CD-ROMs and Audio/Video cassettes. Library subscribes to the core research journals in the areas of interest and has online access to over 2600 journals. Library also subscribes to electronic resources such as UpToDate, MEDLINE Ultimate.

**Open Access Web Resources**

**Library Statistics**

**Library Orientation**

Central Library, GIMSR, GITAM, Visakhapatnam  
 E-Mail: librariangimsr@gitam.edu  
 Mobile: 9849019675  
 Visitor Count: 741240

## Conclusion:

The technology is very interactive, so it can be edited by a librarian who needs to learn more about advanced programming. To improve the OPAC, we need to know what the user wants. For

users to quickly locate the information they require, OPAC should have a clean and appealing appearance. Customizing Koha allows fellow professionals to learn about new features and use Koha's full potential. It also makes it easier for users to find useful open-access e-resource links in one place with a single click, saving them time and eliminating the need to remember the URLs of these e-resource platforms or databases.

Library professionals can apply these ideological models to provide complete information on the OPAC to beneficial library users. Nowadays, many features are available in the era of ICT, so Library Professionals need to keep updated about new features so that library users can get the correct information from the right source to the right user at the right time with the suitable method.

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