

# Enhancing Library Efficiency With Vmedulife Integrated Library Management Cloud Based System: A Case Study at SVPM's Institute of Management Malegaon Bk

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## ABSTRACT

This study aims to find out the existing scenario of library resources and facilities viz. collection, including infrastructure, library services available in the library in the SVPM'S IOM. Institute is using VMEDULIFE cloud based ERP Software for easy access of daily work. Physical survey of the entire library has been conducted for which a user's have been utilized the library in well manner. This study itself is a unique and no such study was conducted in the area of library in this institute. The study found the usage of electronic resources by faculty and students of SVPM Institute confirmed that the resources are very easy to access and more and more informative and time saving and very much flexible to access, thus increased the effectiveness of this service. Library studied grossly underutilizing some essential modules found on the library Management software packages installed in library, such as cataloguing/classification, Electronic resources, My Issued Resources, Library Entry for footfall, Resource Location, reference services, Learner with Most Issued resources, electronic document delivery, online -information resource etc. for development which has made available through software.

**Keywords:** Library Management Software, Library resources, Library services, Library Users Digital Library.

## INTRODUCTION

As per the national reading survey conducted by Chinese Academy of Press and Publication in 2023, the percentage of readers who have used some forms of digital resources has reached to 80.3%, and audio books and streaming video of book talks is increasingly popular (CAPP, 2023).

The potential of what can be achieved in information generation, acquisition, collection, processing, display and dissemination with the use of ICT was very exhilarating and resulted in futuristic dreams. Digital Libraries provide some of these same services, but they tend to be more focused on content, particularly in digital form, as opposed to a location, although most physical libraries offer increasing amounts of digital library services (Humphreys, 2000). Digital age has reshaped the structure as well as the form of libraries. The emergence of network society or information society has given birth to different user needs. Digital library, which is an organizational response to different user needs, is a concept of great social and economic significance (Bawden & Rowlands, 1999). Librarians have to acquire not only the skills for librarianship, but also the skills of IT for the adequate provision of services to users. Demands for digital information service delivery are increasing as a result of innovation in technologies, in order for libraries to meet up with these demands of its users. The effectiveness of library resources and services are evaluated to the level to which they are utilized. Therefore, the satisfaction level of users regarding the library at college campus is taken here. Library services are the ways to meet the information needs and requirements of the users. In addition, to know how the library users use the library, it is necessary to know how much they feel about the different services and programs their library offers to meet their very information needs. Users visit the library to meet their information needs. Library provides access to many resources and services to meet their needs User satisfaction is the most important for assessing the effectiveness of any system or service (Mezbah-ul-Islam, 2003). There are two viewpoints regarding the evaluation of user satisfaction. One is the indirect method or objective where user satisfaction is studied without taking users opinions as valid indicators, and another is the subjective or user-

oriented approach that refers to the measures based opinions or attitudes related to the quality on user, and their satisfaction level reasonably well.

## LITERATURE REVIEW

Starting with Microsoft's implementation of SAP, there has been a push to make ERP report information available on corporate intranets (O'Leary and Markus, 2001). As a result, ERP report information increasingly is being treated as part of firms' Library management systems. In the case of Microsoft, expert users were expected to use the reporting capabilities of the ERP system. However, for less expert and casual users, a wide range of information generated from the ERP was made available on the intranet. In addition, in making the information widely available, the move of information to the intranet minimized ERP costs that Microsoft incurred, since ERP system costs were based on a per-seat level of usage.

Enterprise Resource Planning (ERP) used to be relatively slow to transform. However, new technology and the latest ERP trends have enabled a rush of swift changes in ERP that will need companies to update quickly. ERP brings a miscellaneous bunch of fresh opportunities, intricacy, selections, and risks. Let's explore significant changes in the ERP domain, ERP software trends, and forecasts in the ERP market that you want to watch out for in 2022 and beyond.

### Brief Introduction of Vmedulife Software: Modernizing and Adding Values in Education:

Vmedulife is a cloud – based campus management system provider for various educational institutions. It was established in 2013 and has developed a campus management system that helps the students, faculties and the managerial board. We can keep a track of anything and everything related to the academic setup with user friendly services.

#### Products:

1. OBE Software (Accreditation)
2. Academic Management Software.
3. Office Automation (ERP)



Figure: 1

## InternalQualityAssuranceCell:

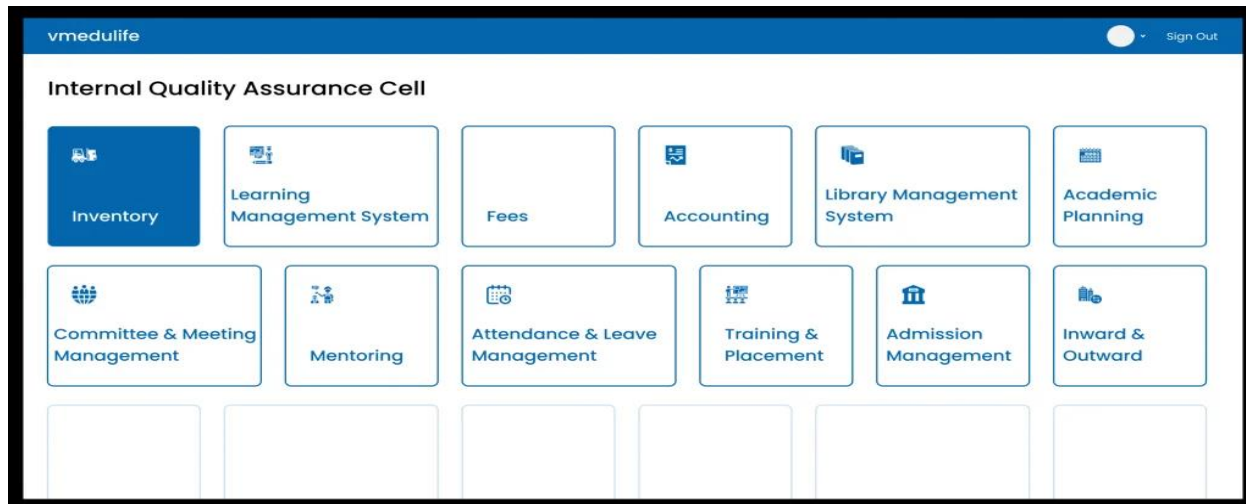


Figure: 2

## Integrated Library Management System:

As Integrated Library Management System is cloud based, the data of users and resource records are maintained under high security with optimum safety measures. It is also known as ILMS helps to convert the library into a computerized library. ILMS easily handles catalog books, tracking and maintaining records of books issued, returned and overdue by users. The books can also be stored category-wise which enhances finding the book easily and quickly by the user as well as by the librarian.

## Integrated Library Management System Implementation:

The team works with us for consistent implementation support to meet our unique requirements and achieve our organization goals.

- Identify the pain areas in organization
- Design and execute Training plan for successful implementation of platform
- Successful Training of platform at organization
- Provide single point of contact for implementation
- Help desk portal for any query and custom enhancement

## Need and Most Useful Features of VM Software by giving Library Services:

VM Software is providing some services to users and users should download the VMedulife software APP on their mobile. Top10 features of ILMS, which is why every educational Institution should invest in ILMS. Educational institutions may not resemble those of a few years ago. The way libraries provide numerous services has changed with cutting –edge technology like cloud, mobile, digital and analytics have advanced.

## Library Services:

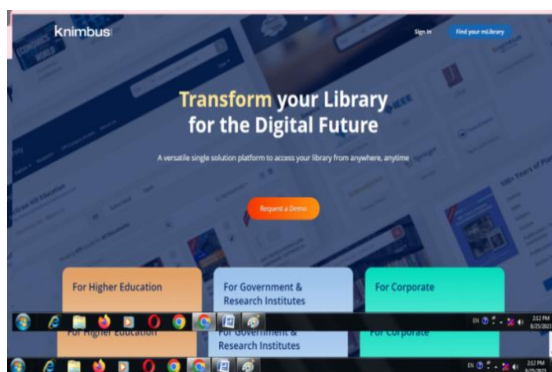
In order to make the resources available to its users easily and conveniently different types of facilities and services are being rendered from the Library on a regular basis. Orientation programmers' are organized in the library for newly admitted students, research scholars, newly recruited faculty and staff member. Reading Inspiration day, Library best user award are celebrated in the library. Library plays a vital role in an academic institution. Its aims are to collect, process, preserved and disseminate documents and information to serve the user community. However, instructions on different techniques of accessing, browsing retrieving electronic

resources are regular activity in the library which is offered to the users when asked for as well as when the need is observed. A website is also maintained for this purpose. Library online resources are available 24×7 on a 32 mbps Internet speed. The Library is kept open on all the days of the year, except on Public Holidays (approximately 340 days in a year). The working hours are, on weekdays from 10-00A.M to 5.00 P.M. The facilities and services offered to user in Library through VMEDULIFE Software are as follows:

**1. WEB OPAC:** Our free app allows convenient access, from anywhere on their smart phone or tablet to the catalogue. User can search resource by author, title, publisher accession number etc. from anywhere anytime whether the resources are available or not in the library.

**2. E-Resources Service:** Source of information available in electronic format and accessible in online mode through internet using computer tablet or smart phone etc. Some URL Links are available on e-resource module of software. List of summer Internship Project Reports, QR Code scanning of NPTEL SPPU, DOAB, DOAJ and previous Question papers and syllabus are made available through this module which user can easily access on their mobile. The Links for e-resources through software module are available through Mobile App. Users can get the information in one click.

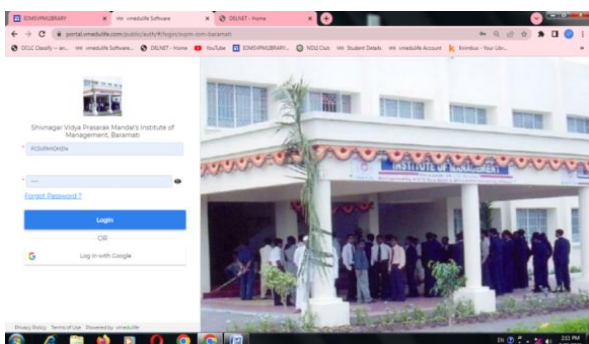
### Home Page of 1. Knimbus Digital Library:



### 2. DELNET :( Developing Library Network)



### 3.National Digital Library of India:





#### 4. VMedulife Software:



#### Interior of Vmedulife Library Software:

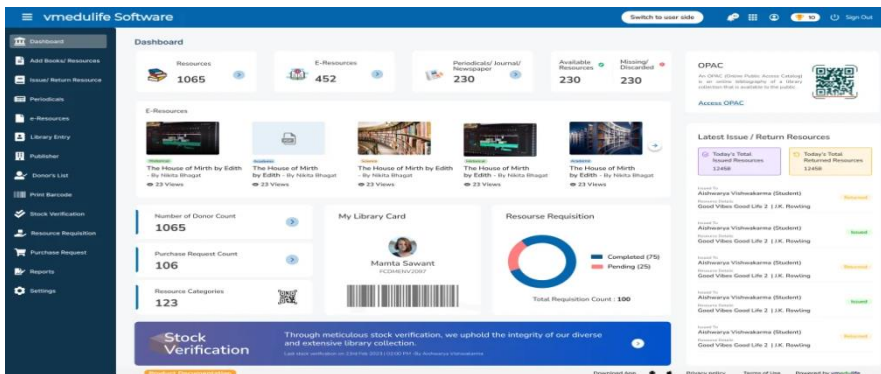


Figure 3: Interior of Library software

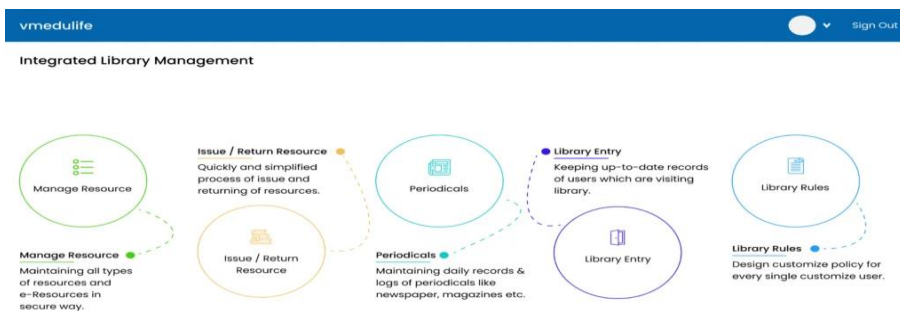


Figure: 4. Dashboard of vmedulife library software

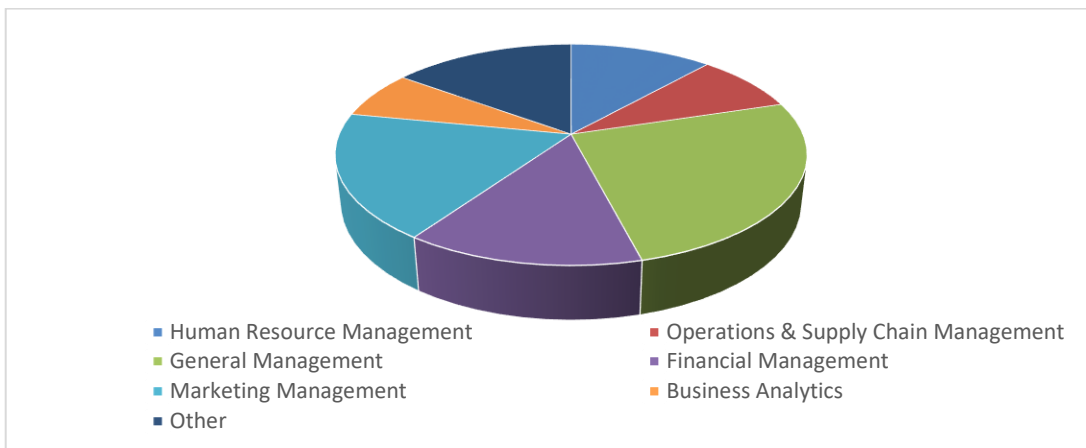


Figure: 5 Library Print Resource Categories.

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**3. Print Resources service:** User can view the books that are available in the library.

**4. Print periodicals List:** List of Periodicals subscribed by the Library in print format is made available through this module for the user's reference and users are using this module at the most and satisfied with this service.

**5. E-Mail alert Service:** For dues and Issue and Return of the resources of the Library, users get the mail automatically from the library and users are very much aware about the mail and message of the Library. Users are very satisfied about this software and this service.

**6. My Issued Resources through Mobile App:** Circular Management is taken care of to keep track of book movement. It is Possible to track the position of any book at any given time. Any book's whereabouts at any given time may be traced; therefore it has become simpler to locate misplaced or missing books. On a daily basis, information on books that need to returned and those that are past due are provided. User can know how many books they have been taken from the library. When is the due date & renewal date. Which book has not returned yet? Users are so happy about this service providing them by mobile app.

**7. Barcoding:** Barcodes are utilized to provide each book with a unique identifier. All books, old and new are barcoded according to the title, author topic and publication date.

**8. Scannable Barcodes:** when books are scanned while using or returning, the database is automatically updated.

**9. Newspaper Clipping Service:** Clippings are commonly used for personal reference, archiving or preservation of noteworthy events.

**10. Library Foot Fall Entry through Biometric:** Library has set up the biometric machine in the library for measuring the user's footfall for proper utilization.

Utilization and optimization of library department is one of the most crucial parts of the management. For the better performance and working of Library department, footfall data give libraries a clear picture of how library department is working and what should be done to ensure better user experience.

### Key Features That Make a Difference

Let's explore the core features that make vmedulife's ILMS indispensable for any modern academic institution:

#### 1. Digital Catalog Management

Maintaining an organized and searchable catalog is foundational to any library. vmedulife ILMS provides a digital catalog that allows users to search, filter, and browse resources in real time. Librarians can easily update records, categorize new acquisitions, and track book metadata. This ensures that every item is indexed correctly and is easily discoverable by students and faculty.

#### 2. Student Self-Service Portal

Gone are the days when students needed to stand in line or physically visit the library just to check book availability. With vmedulife ILMS, users can log in to a self-service portal where they can:

- Search for books
- View availability status
- Reserve titles
- Renew borrowed books

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- Track due dates
  - Access e-books and online journals

This self-service capability not only empowers users but also reduces the administrative load on library staff.

### **3. Barcode and RFID Integration**

Efficient inventory management is crucial for any large library. vmedulife ILMS supports barcode and RFID integration, allowing for instant check-in and check-out of books. Each book and user is assigned a unique identifier, ensuring accurate and quick transactions. With RFID, librarians can even conduct mass inventory checks using handheld scanners, significantly reducing time and effort compared to manual audits.

### **4. Real-Time Reports and Analytics**

Decision-making is only as good as the data behind it. vmedulife ILMS offers powerful reporting tools that generate real-time analytics on :

- Circulation trends
- Overdue items
- Most borrowed books
- Category-wise usage
- Inventory turnover

These insights help library managers make data-driven decisions about acquisitions, resource allocation, and policy changes. It also aids in identifying gaps in the collection and planning events or programs based on user interests.

### **5. Automated Notifications and Alerts**

Managing due dates, late returns, and fine collections manually can be tedious and inconsistent. vmedulife ILMS automates these tasks by sending reminders and alerts via email or SMS. Users receive notifications for

- Due date reminders
- Overdue notices
- Reservation confirmations
- Return acknowledgments

This not only improves communication but also ensures accountability and timeliness.

### **6. Cloud-Based and Secure**

vmedulife ILMS operates on a cloud-based infrastructure, ensuring that data is backed up regularly and accessible from anywhere. With robust security protocols in place, sensitive user information and library records are protected against unauthorized access and data breaches. For institutions with multiple campuses or remote learners, cloud access ensures that library services remain consistent and uninterrupted.

### **7. Customization and Scalability**

No two libraries are alike. vmedulife ILMS is designed to be flexible and customizable, adapting to the specific needs of each institution. Whether you're managing a school library with a few hundred books or a university library with tens of thousands of titles, the system can scale effortlessly.

## CONCLUSION

Now a day Library Automation has become the buzz word in library profession and has become a bare necessity for any libraries. An automated library can provide preferable library services to their users and can maintain the library more appropriately which a manual library can't do. The record keeping activities and various report generation becomes very convenient in an automated library system. But the success of any library automation program depends upon its proper projection and execution. With the development of network technology, the existing library management system is more and more perfect, and the system function becomes more and more extensive. This system performs the most sophisticated way to give access for the users in different forms although it provides electronic records via Wi-Fi and also off campus the users can read an unlimited number of e-resources at a time and get benefitted for future endeavor.

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