
Title of the Practice:

24/ 7/ 365 days Remote Access to the Library e-Resources and Online Services

Objectives of the Practice:

1. To offer 24/ 7/ 365 days' remote access to the library e-Resources and online services for the library users from anywhere and anytime
2. To save the time of the library users by providing all e-Resources at a single online platform
3. To provide a variety of e-Resources and online services to the library users to fulfil their academic, research, administrative and routine needs
4. To reduce the expenditure on printed reading material, stationery and support to the Green Environment
5. To save the expenditure on closets/ furniture needed to keep library reading materials and save the library space
6. To promote the use of ICT and smart technology among the library users

The Context:

Library – a Knowledge Resource Centre – is supposedly focal access point to all, be it a faculty, or student or any user for that matter. It, therefore, calls and warrants for easy quick / instant access, services available at all times, irrespective of appointed working hours. Moreover, it should provide adequate space to accommodate ever increasing uses, space for stacking the books and other learning resources, reprographic and computing facilities, providing computer nodes to all, and to be managed with available staff and resources. The resources – staff manage the library services, machines – computers and both hardware, space for library and accommodating readers / users, and of course the funds are generally limited, that the institutions finds it different to coping up all.

To address these issues, concerns ever been / being faced and to secure services to all, to serve its users better, the institute has internally evolved a system by leveraging smart

technology that assured, ensured and generates 24 x 7 x 365 days' remote access to library resources and a user friendly online services from anywhere and anytime, a system that compliments, supplements and strengthens the existing offline service resulting to optimizations of library services.

The Library [Web Portal](#), [Android App](#) and [QR Code](#) are used to access the library e-Resources and online services. The users can reach and get access to the specific information resource and service in a very short time with the help of the above interfaces.

The Practice:

To perform the above practice, the library has used open-source tools/ software that are available online and doesn't require to pay any charges.

The salient features of this innovative practice are:

- a. Developing Library Web Portal (<https://sites.google.com/view/deurcollegelibrary>)
- b. Developing Android based Web Application of Library
- c. Developing Quick Response (QR) Codes for Library Resources
- d. Providing Online Services and Facilities
- e. Library Value Added Information Services

a. Web Portal: The library has developed a dynamic portal for its users. The library portal consists 81 number of web pages with 11500+ links and other documents that are useful to fulfil the academic, research, administrative and other routine needs of the users.

If the users are at a remote place or outside of the college campus, they simply access the portal that allows 24/7/365 days' remote access to the library e-resources and online services. The portal can be accessed through a desktop computer and smartphone. Most of the users access the portal through smartphones as the portal is also responsive on smartphones. The usage of the library portal is increasing day by day.

*The portal appears to have been accessed by the users in other countries also i.e. USA, Sweden, Brazil, Botswana, France, Indonesia, Myanmar (Burma) and Bangladesh etc. ([See Country-wise Access](#))

- **Library Web Portal Details:** (As on 30th Nov. 2021)
 - Site Building Platform: Google Site

- Number of Webpages: 81
- Number of Links & Documents associated: 11500+
- Number of Users: 4508 ([See Portal Audience Overview](#))
- Users from Foreign Countries: 30 ([See Report](#))
- Number of Page Views: 20219
- Devices used to access the library portal ([See Report](#))
 1. Through Mobile: 87.18%
 2. Through Desktop: 12.88%

b. Android App: [Deur College Library](#)

The smartphone is a very much popular device among library users while accessing the e-Resources and online services of the library. To make it more convenient, the library has developed a mobile application based on the Android operating system. Library users can download and install the application on their smartphone and can access all e-resources and online services of the library at any time and from anywhere

C. QR Code:

Web-links of e-Resources and online services are converted into QR Codes by using QR Code generator software. These QR Codes are printed on paper and displayed at the library notice board, staff room, office and other departments. Students and teachers scan the particular QR Code through their smartphones and access the e-Resource and online services of the library. Further, the accessed e-Resource can be viewed, downloaded, printed and shared. Usually, the users use the QR Code while they present on the college campus.

Access [QR Code Gallery](#)

- Following library e-Resources and services can be accessed 24/7/365 days in the year through QR Code, Library Portal, Android App and QR Code:

Library e-Resources & other documents	
e-Books	PPT bank
e-Journals Volume	College News
e-Reports	College Event Photos
Exam. Question Papers	e-Newspapers
Syllabus	e-Theses/Dissertations
College Prospectus	Patents
<i>Mudhai</i> - College Magazine	Digital Books Fair

Library Periodicals List	Government GRs
Textbook Titles	TV News Channels
Dictionaries, Encyclopedias & Yearbooks	Digital Libraries
Library Forms	Shivaji University e-Resources
Office/ Administrative Forms	UGC-INFONET e-Resources
e-Content (PDF)	MOOC Online Courses
Audio Notes	Swayam Online Courses
Video Lectures	Shodhganga Repository
Subject Notes	e-ShodhSindhu
Online Tests/ Quiz	Shodhgangotri
Question Bank	UGC CARE List of Journals
e-Resource Database: N-LIST, NDL & INFED (INFLIBNET)	
Library Online Services & Facilities	
Library Portal	e-Content Interface
Android App of Library & College	Online Union Catalogue of College Libraries
QR Code Gallery	<i>Research @ PSKCD</i> : Research recording facility for the Staff Members
Information Broadcasting through Social Media: <i>WhatsApp, Facebook, Twitter, Telegram, YouTube and Instagram</i> etc.	Digital Payments to Library
Library Membership Online Application System	Digital Books Fair
Scholar's Card Online Application System	Software Gateway
Online Public Access Catalogue (Web OPAC)	Students Corner Interface
Books Online Requisition System	Staff Corner Interface
Inter-Library Loan Online Application System	Ask a Librarian
Library Users Online Feedback	Shivaji University College Librarian's Directory
Dynamic Webpage of Competitive Examinations	COVID 19 Information Gateway
Library Value Added Info. Services & Facilities	
IT Corner	Women's Corner
Career Corner	Facilities for Persons with Disabilities (PwDs)
Employment Outlook	Daily Life Utilities
Prabodhan Series	Students Placement Registration
Success Stories	Maintenance Work Online Intimation
Health Plus	Committee Meeting Online Registration

Above all, the institutional endeavour has maintained, restored enhanced and facilitated library services in pandemic impacted situation prevailing service last two years.

Evidence of Success:

The Library Portal, Android App and QR Code are found useful to library users. The [Google Analytics Report](#) for the usage of library portal proves that library e-Resources and other online services are being accessed frequently by users through desktop computers and smartphones. Smartphone devices are very much popular among young generation students and teachers while accessing library resources and services. College library is now promoting and delivering most of the services through online mode with the help of the above technological platforms.

Some of the noteworthy outputs from the above practices are as below:

1. Users get quick remote access (24/7/365 days) to the e-Resources and online services of the library. It also saves their time and reduces the efforts to find useful e-Resources in their own subject field.
2. The expenses on purchase of printed reading material are reduced and photocopy/ print charges to the users are also abridged due to the online availability of e-Resources and ultimately it supports to maintain the green environment
3. It saved the expenditure on closets/ furniture needed to keep library reading materials
4. It also saved the internal space of the library
5. It reduced the burden on library staff at the circulation counter while delivering the library services like circulation, reference, print, photocopy and other information services
6. The concept of conventional 'Journal Bound Volume' is replaced with 'e-Journal Archives' so that library space is saved and the expenses on binding the journal volumes are avoided absolutely
7. Users are now able to find the list of books, periodicals and other reading material related to their subject at anytime and anywhere
8. The scheme of Inter-Library Loan is promoted online by granting access to the teachers for 'Online Union Catalogue of College Libraries' and 'Online Inter-Library Loan Application facility'
9. Conventional feedback for the library services is replaced with the 'Users Online Feedback Form' Users are now able to submit their feedback online

10. Library provided the facility of 'Books Online Requisition' through which users can send their demand online for purchasing new books in the library
11. The practice promotes and motivated the library users to acquire the new ICT skills and use the ICT tools in their routine work
12. The practice has strongly promoted the core values of NAAC such as "Contributing to National Development" and "Promoting the Use of Technology" by providing free online access to the treasure of different e-Resources related to higher education at one single user-friendly interface.
13. The practice also promoted the set mission of our college- "Maximum use of ICT in Teaching and Learning Process" by using ICT tools effectively.

Problems Encountered & Resources Required:

The library has stored all e-Resources on Google cloud storage that offers free storage up to 15 GB space only for each e-mail account. To upload additional documents or to use more than 15 GB of free space, the purchase of additional storage space is mandatory. To overcome this problem at an extreme level and save the charges on purchasing additional storage, the library has created a separate e-mail account for a different type of e-Resources and obtained 15 GB storage for each e-Resource.

Resources required:

- Hardware:
 1. Desktop for processing/accessing the Web Portal, Mobile App and QR Code
 2. Smartphone for processing/accessing the Web Portal, Mobile App and QR Code
 3. Printer for printing the QR Code
- Software and other Web Tools:
 1. Website building platform for developing a website- e.g. Google Sites, WordPress etc.
 2. Cloud Storage- *Google Drive, Dropbox* etc.
 3. Mobile Application Builder- *Thunkable, AppsBuilder, Android Studio* etc.
 4. QR Code Generator for creating the code
 5. QR Code Reader for decoding the code

Notes:

Besides it, being attributed to innovation and creativity, 'the practice' has been upheld and commanded by nearly colleges / institutes of higher learning and in a way gave the unique identity and strength to the institution for this distinctive endeavor.

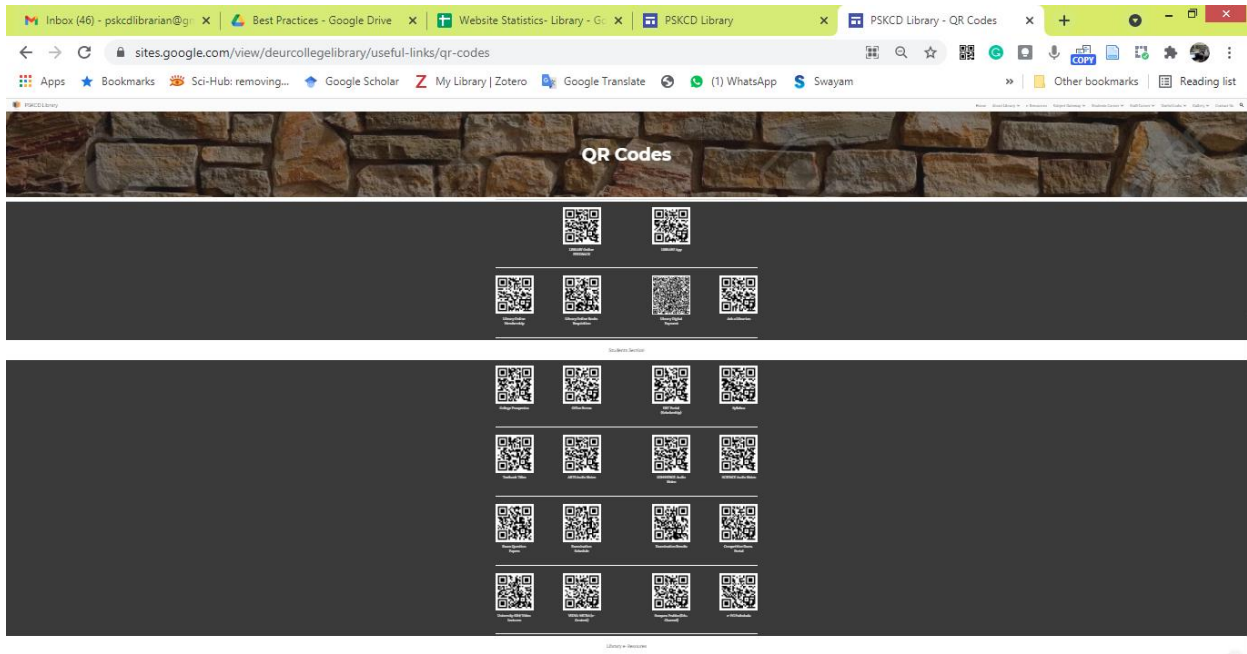


Dr. B. N. Bhosale
Principal,
Prof. Sambhajirao Kadam College,
Deur, Tal. Koregaon, Dist. Satara.

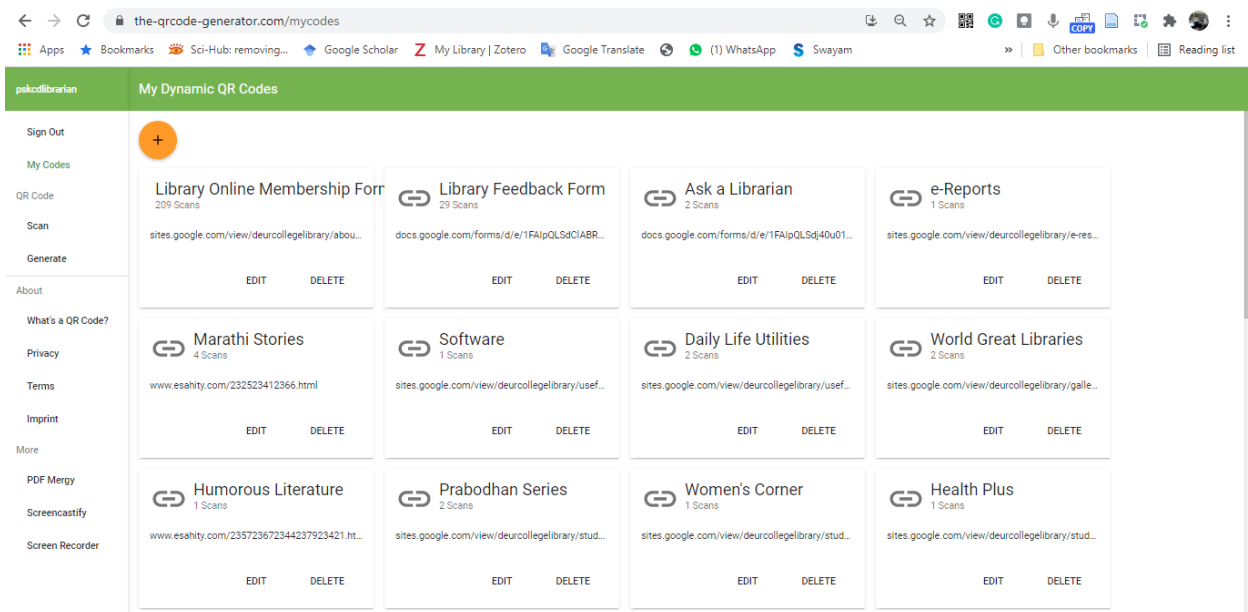
Screenshots

QR Code

QR Code Gallery



QR Code Generator Interface



Library Portal

Home page of Library Portal

Visit our COVID-19 Information Gateway! [Click here to go](#)

PSKCD Library Home About Library e-Resources Subject Gateway Students Corner Staff Corner Useful Links Gallery Contact Us

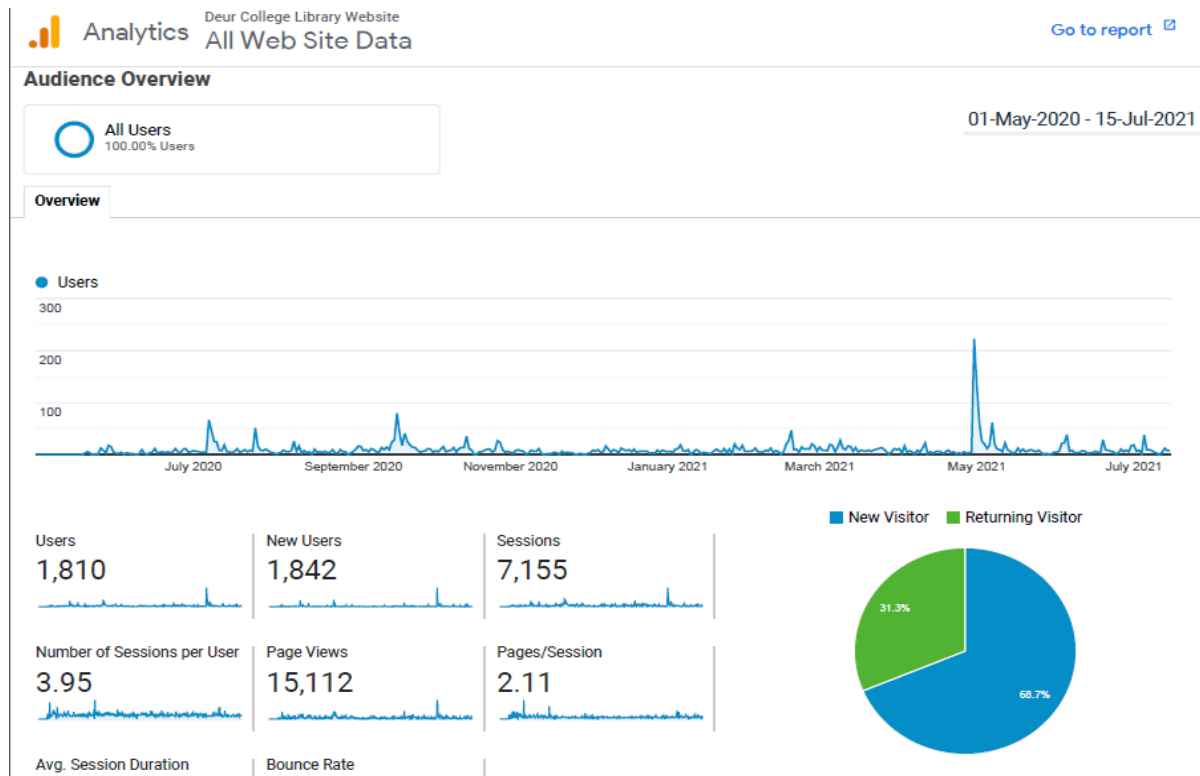
LIBRARY & KNOWLEDGE RESOURCE CENTRE

Gateway to the Universe of Knowledge.

PROF. SAMBAHAJIRAO KADAM COLLEGE, DEUR (Satara, MS)

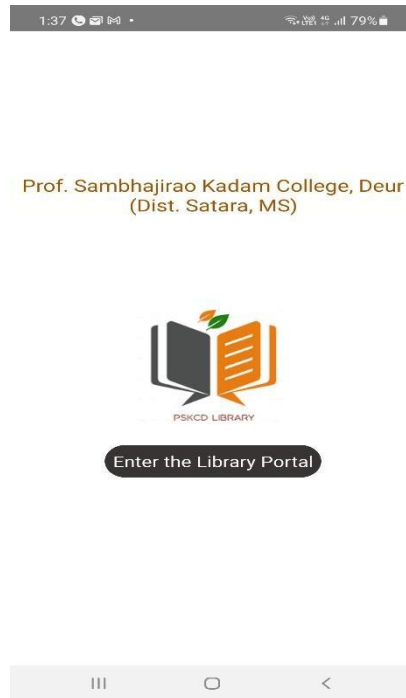
Welcome to the Library & Knowledge Resource Centre of Prof. Sambhajirao Kadam College, Deur

Portal Usage View



Library App

App Interface



App Download Interface

sites.google.com/view/deurcollegelibrary/about-library/library-services-facilities/library-app

PSKCD Library

Home About Library e-Resources Subject Gateway Students Corner Staff Corner Useful Links Gallery Contact Us

Library App

In the dynamic era of ICT, most of the library users are using smartphones to access the library's e-Resources and other online information resources available on the internet.

This is exactly what we identified the opportunity and developed the library's own Android application for the users through which they can access the Library Portal and can use the online services and facilities of the library at a single click.

- Users may download the application file from the link given below and install it on their smartphone (Android only).
- After installation, just click on 'Enter the Library Portal' and use the all services of Library through Web Portal.
- [Click here](#) to download the Android App of our College Library

Cloud Storage @ Google Drive

The screenshot shows the Google Drive web interface. The browser address bar displays the URL: `drive.google.com/drive/folders/1loctJugUEaAqcbHqPk2KOJyeOBXr5aL`. The page title is "Drive". The search bar contains "Search in Drive". The breadcrumb navigation shows "Shared with me > e-Books".

The left sidebar contains the following navigation options:

- New
- My Drive
- Computers
- Shared with me
- Recent
- Starred
- Bin
- Storage (84% full)
12.64 GB of 15 GB used
[Buy storage](#)

The main content area displays a grid of folders under the heading "Folders". The folders are:

- 000- GENERAL
- 100- PHILOSOPHY- PSCH...
- 200- RELIGION
- 300- SOCIAL SCIENCES
- 400- LANGUAGES
- 500- PURE SCIENCES
- 600- APPLIED SCIENCES ...
- 700- FINE ARTS
- 800- LITERATURE
- 900- HISTORY & GEOGRA...
- 920- Biographies
- e-Textbooks for Visually ...
- SPECIAL COLLECTION
- Textbooks

Below the folders, there is a section for "Files" which is currently empty.