INNOVATIVE PRACTICES IN A MODERN LIBRARY AND INFORMATION CENTRE: THE CASE OF DAYANANDA SAGAR UNIVERSITY & INNOVATION CAMPUS LIBRARY BENGALURU.

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Abstract
Now a days all libraries try to provide maximum services to its reader in minimum cost. In this paper I have discussed the innovative practices in a modern library and information Centre: the case of Dayananda Sagar University & Innovation campus library Bengaluru. This paper will help to Students & faculty members of the University that access of digital library and e-resources Information on single window in single click. Its presents the case study of the Dayananda Sagar University & Innovation campus, Library and Information Centre, Bengaluru to illustrate that adoption of Digital library and e-learning resources are well defined, transparent, well & quick access of resources, user focused and innovative practices with a simplicity of resources to improve can lead the library and Information Centre to be the best.This paper will also give you a brief details about digital library and e-learning resources through LAN website, Importance of Flap barrier (Entrance gate for Library Users), Private & Personal Study zones, Multimedia Section for accessing book CD's & DVD's.

Keyword : Modern Library, Innovative Practices, Digital Library, e-Learning e-literacy.

Introduction :

The library came into being with the establishment of DSI and further expanded with the genesis of the Dayananda Sagar Institutions in the year 1969, Dayananda Sagar College of engineering in 1979 and Dayananda Sagar University in 2014. The special interest taken by Late Sri R. Dayananda Sagar, Founder. The library is a built-up and is being equipped steadily and systematically. Around 560 seating capacity provided for the Library users.

a. Library Users:

Under graduate, Post graduate & Faculties members can avail the library facilities. The library have more than 1000 users and 100 faculty members availing the services of the library. Special dignitaries and research scholar are also visiting to the library.

b. Library Staff:

The present staff positions of the library are as follows;

Sl. No	Positions	No.
01	Chief Librarian	01
02	Asst. Librarian	02
03	Library Assistant	02
04	Library Attender	02
05	Security	01

c. Library Automation:

ILMS (Integrated Library Management Software)The Library is automated using **LIBSYS7**, Integrated Library management software for housekeeping jobs in different sections viz. Acquisition, Technical, Reference and Circulation for the Issue/Returns.

The Integrated Library management software is upgraded to its latest version and the Web OPAC (Online Public Access Catalogue) provided for Users. Through web OPAC users can find availability of all library resources and can download PDF's of e-books.

d. DSU, School of Engineering Library Services:

The faculties, research scholar, students and the other staff are the important users of the library. The majority of UG, PG students depends on the services of the library. For convenience of the readers the services of the library is made available from 9 am to 6pm on all working days. Reprographic services are provided to the readers on nominal charges to enables them to copy the required materials. The library provides internet services to the readers for browsing the regular material.

Objective of the Study:

- The study will help the Libraries toprovide single platform for efficient access and retrieval facilities to user.
- To identify theInnovative practices in a modern library.
- To identify what are the open source of information available.
- To identify that existing learning resources availability at present time.
- To understand the modern library concept through adopting the innovating practices.

Innovative Practices of the Library:

New innovative practices have been introduced in delivery of services by the library.

I. Digital Library & E-learning Resources:



Website collections include Open source & Subscribed resources of DSU Library. This provides single platform for efficient access and retrieval.This website iscovering following content to its users.

1. Learning Resources:

For certain people, the words enlightening materials call pictures of far reaching, print, homeroom course readings with little sort, out of date information, and substance that covers the extensiveness anyway not significance of a subject. However, learning resources are more than that. They are any mechanical assembly that empowers teachers to instruct and understudies learn. Main focus in this website is learning resources. It will help users to know more about learning.



a. Web OPAC:

Users search a library catalog principally to locate books and other material available at a library. In simple language it is an electronic version of the card catalog. OPAC is the gateway to library's collection. Web OPAC is the Online Public Access Catalogue which allows users avail the services of the library.

1. Search & find the available books &journals in the library.

2. Users can directly search and downloadPDF's of available e-books.
3. Online Renewals & Reservations.

b. Databases:

A database is an organized collection of data, generally stored and accessed electronically from a computer system. Where databases are more complex they are often developed using formal design and modeling techniques. The subscribed databases are listed & these are accessible from a local network.

1. IEEE (Institute of Electrical and Electronics Engineers)
2. ASME (American Society of Mechanical Engineers)

c. E-journals : Subscribed e-journals are listed A-Z.

d. NDL (National Digital Library):

DSU library has taken up institutional membership with NDL. Each member of the library has their own login credentials to access NDL resources. Direct link to the NDL website has given to access the NDL facility.

e. NPTEL (National Program on Technology Enhanced Learning):

Direct link to the NPTEL website has given for access.

f. DIGIMAT :

Digimat is online learning portal which provides access to NPTEL lecture videos. It acts like content management system.

g. Print Journals:

DSU library subscribed print journals are listed. Users can download the pdf file to lookout the journal details.

h. Open Access Resources:

In the content we have upload the contents like open e-resources

with live link to easy for click in pdf file and it is easy to modify, add or delete the whole file as we need in future.

i. Useful URL's:

As we know the URLs are very much help to the users. The DSU library have uploaded the all type of Useful URLs to it users. The file is PDF and we have the categorized the e-resources and give the link to visit directly to site.

j. Classroom Lectures:

more than 50 DSCE Classroom lecture videos are stored and provided to access the facility through the LAN.

k. Corporate Membership:

DSU library has taken up Institutional membership with the listed libraries. DSU library members can access the services of these libraries.

1. DELNET (Developing libraries network)
2. CMTI (Central manufacturing technology institute)
3. British Council
4. IISc (Indian institute of science)
5. IIMB (Indian institute of management Bangalore)
6. NAL (National aeronautics limited)

l. Book CD's & DVD's:

Users can download the pdf file of available book CD's &DVD's, this will help them to borrow/access CD's &DVD's.

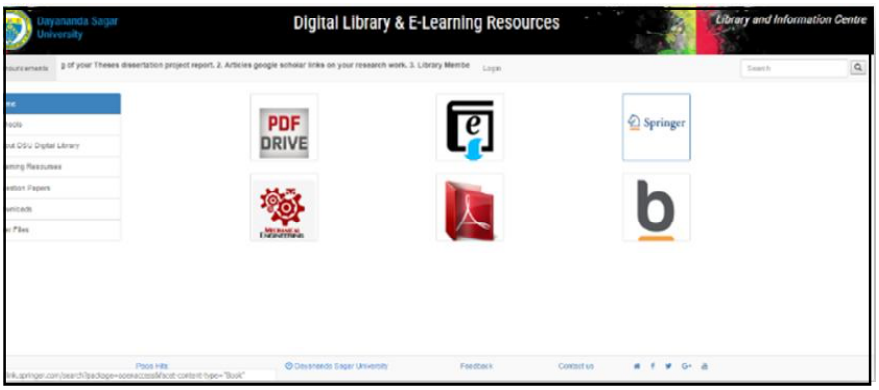
m. Open e-books:

Important open e-book websites links has been provided.

1. PDF Drive
2. E-book digital library
3. Springer
4. Mechanical engineering books pdf



5. Engineering books pdf
6. Bookboon



n. Moodle:

Direct links to the DSU Moodle learning portal. The Faculties are uploaded the Notes to help the students to get it fast access through Moodle.

o. Dspace:

It's the Institutional Repository. Inside the repository we have the following categories for DSU library users.

1. Faculty publications
2. Newspaper clippings
3. Project reports
4. Previous year Question papers
5. Syllabus copies
6. Thesis and Dissertations.

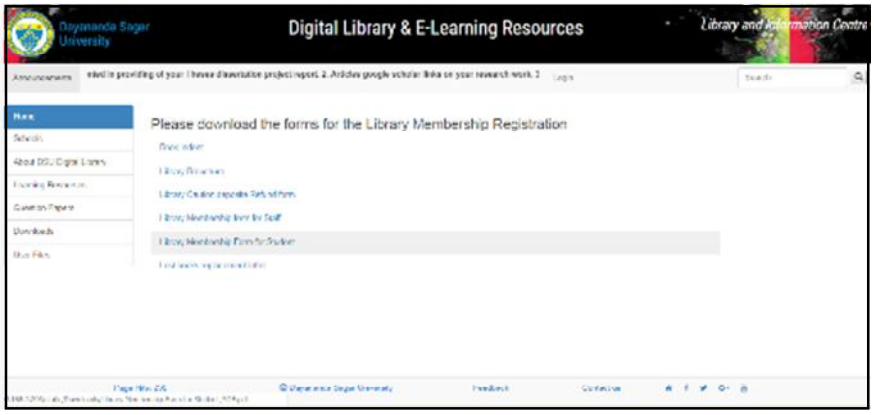
2. Question Papers:

Previous years question papers will be archived in the D-space and users can access the question papers inside the campus.

3. Downloads:

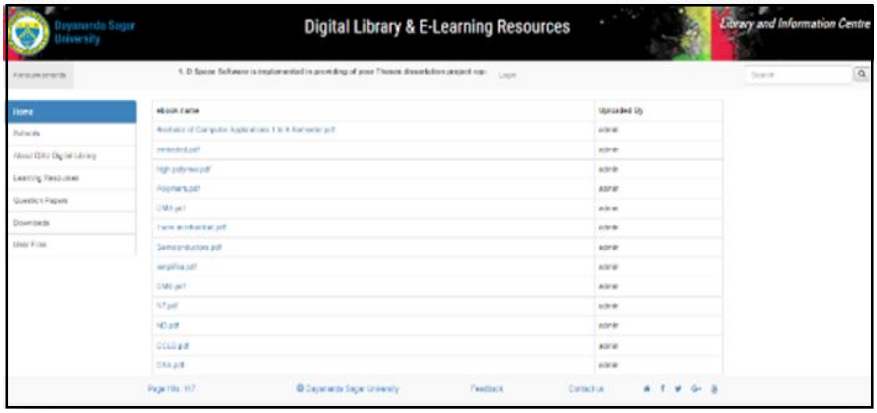
Downloadable forms have been also made available to the users.

a. Book Indent for Requesting a books.
b. Library brochure: For brief Information.
c. Library caution deposit refund form.
d. Library membership form for staff.
e. Library membership form for students.
f. Lost books replacement letter.



4. User Files:

Library members/users can upload the notes & useful sources by themselves. These are accessible to group of users very easily.



II. Library Main Gate Entry (Flap Barrier):

Ensuring security and crowd management at the entrance in library with high pedestrian flow is a challenging task. To make this difficult task easier, the flap barrier will help to library with all respect.



Advantages of Flap Barrier:

- Only Authorized persons can grant/allow.
- Can be Integrated with visitors access control system
- Computer generated entry pass with photo ID.
- Instant status of visitors inside the premise.
- Restrict visitors marked in the Blacklist.
- Various reports like daily, monthly & yearly user statistics will be available for committee references.
- Assist in controlling the inflow and outflow the library users.
- Department wise statistics will be available.
- To count number of Guests, faculties, non-teaching staff visited to the library.
- If parents inquired about the student, we will able to give the information.

- Automation may leads to competitiveness and Image of our library.
- Improved data security
- Greatly reducing labor costs, security monitoring is also more solid.
- Helps in keeping track of the visitors.
- Assists in auditing of attendance.
- Time saving.

Disadvantages:

- High cost environment
- Technical issues

Features:

- Web based Administration functions.
- Instant view of list of all the visitors inside the premise.
- Unlimited multiusers access.
- Standard & Custom reporting.
- Protected Enclosures: both controller & power supply unit are protected with suitable housing so that electronic circuit boards are not exposed to cause any accidental damage.

III. Private Study Zones & Personal Study Zone.

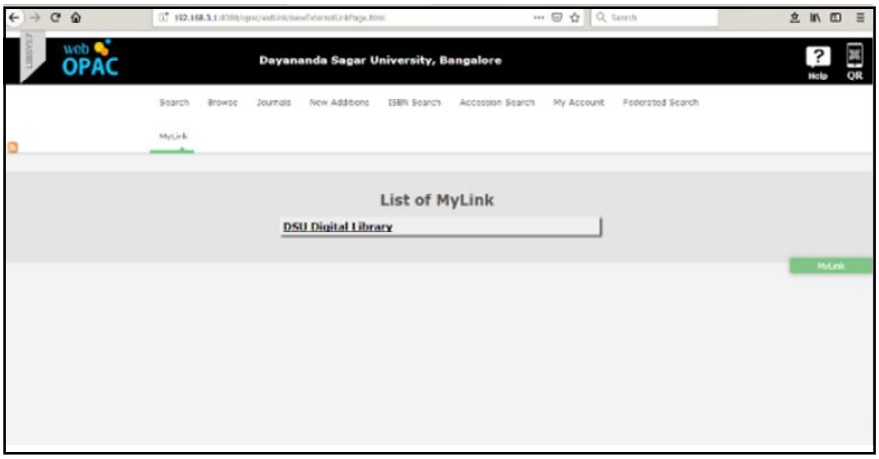


- Our library have a 3 private study zones each one having 6 seating capacity.
- Internet connectivity & UPS Power point facility for Personal laptops.
- LCD Monitor for Presentation & Group Studies.

Now a days more readers prefer to sit and study in this kind of study rooms. In our Library there are 3 rooms available for group discussion and study purpose. We have installed Monitors with Internet facility for the online study purpose of users and also they can connect their laptops and USBs for PPT presentation & practices. The DSU Library also offers a **Personal Study Zone** facility for students throughout the day.

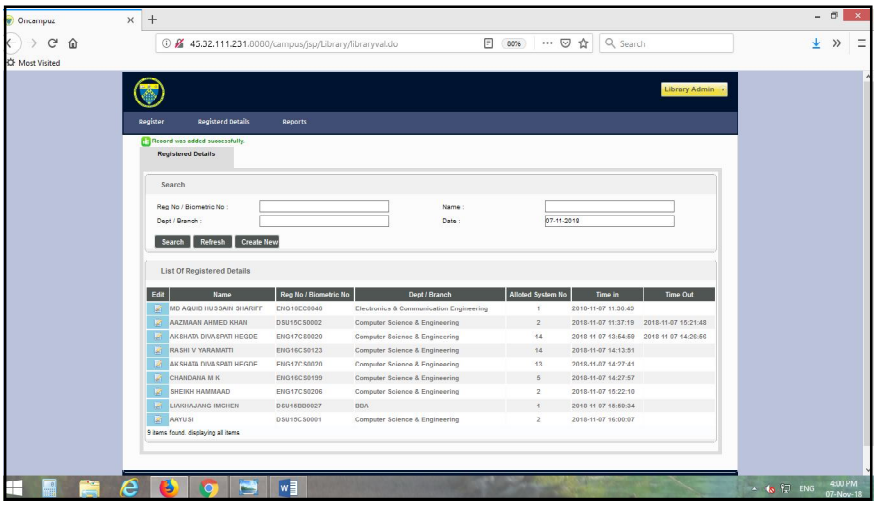
IV. Creating my Link using Library Application Package LIBSYS 7:

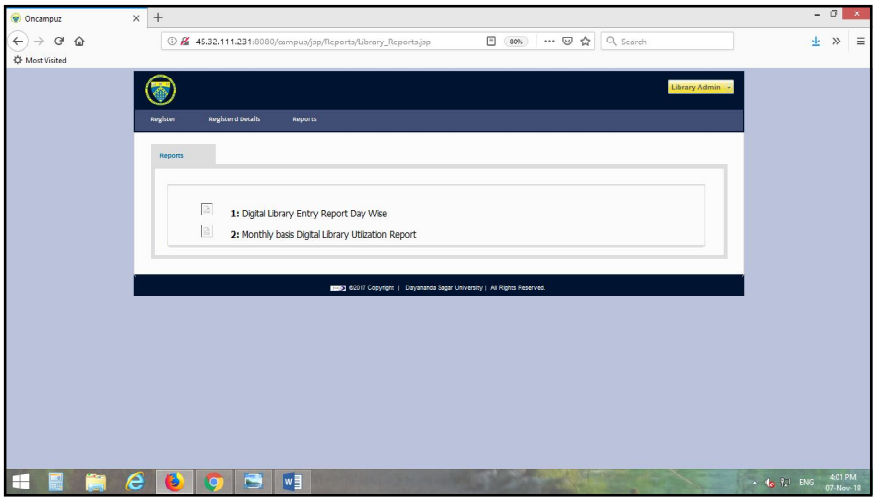
Library management software LIBSYS has provides my link facility for access important sites quickly without any interruptions. There are lot of important site are there where we going regularly visit, if we creating as my link it will be time saving for library users and not to wary about where I'm mention and find it.



V. Automation of Digital Library Gate Entry Using ONCAMPUZ Software:

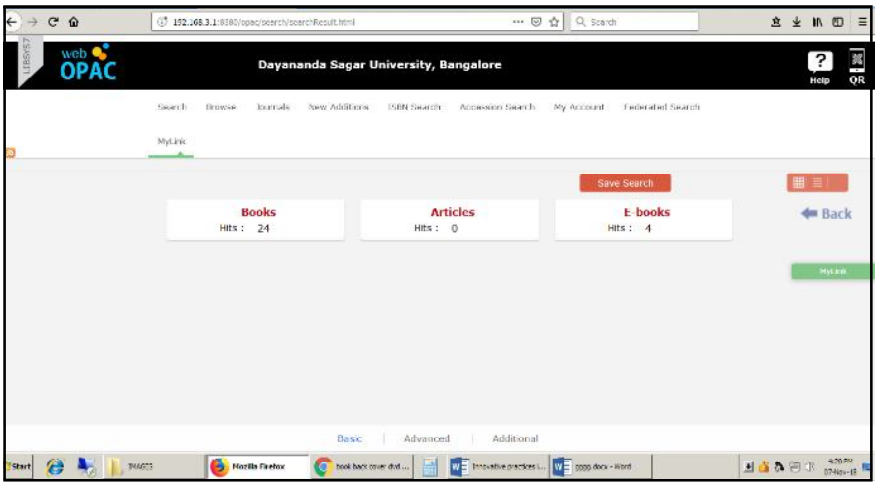
Oncampuz software help to maintaining Automation of Digital Library Gate Entry. With this software we can registered students details on time and make entry while student entering Digital library facility with additional information like entering System number. We can take the user statistics for daily and monthly and yearly basis also as we required.





VI. Providing OPAC as tool for Browsing and Searching:

Dayananda Sagar University has implemented tool for Online Public Access Catalogue with E-books. If Students are not get the hard copy of the books if all copies are issued they may be go for the e-book which is freely available at OPAC.



VII. Online Access to Leading E-journal and E-books to Library users/reader at no cost:

Nowadays there are lot of online access leading e-journals, e-Learning materials, e-books& etc. are available for readers at no cost i.e. as follows;

Open source Resources Links:

Sl. No.	Publisher		URL	Login Details
1.	National Digital Library of India	**NDL** (National Digital of India)	**https:// ndl.iitkgp.ac.in/**	Login Based
2.	Kopykitab	**Kopykitab** (VTU Kopykitab)	**http:// vtulibrary. kopykitab.com/**	NA

E-Learning / Course Materials

Sl. No.	Description	URL
1	National Program on technology Enhanced Learning - IITs and IISc.	http://nptel.ac.in/
2	Virtual Labs	http://vlab.co.in/
3	IGNOU - Course Materials	http://www.egyankosh.ac.in/
4	Civil Services	http://www.civilserviceindia.com/studymaterial.html
5	Science & Technology - Lecture Notes, Audio & Video Lectures	http://www.learnerstv.com/
6	MIT Open Course Ware - Free Online Course Materials	http://ocw.mit.edu/OcwWeb/web/home/home/index.htm
7	Khan Academy	https://www.khanacademy.org/
8	Swayam portal	https://swayam.gov.in/
9	GnanaSangama portal	http://164.100.133.129:81/econtent/
10	Inflibnet	https://www.inflibnet.ac.in/
11	Free Video Lectures	https://freevideolectures.com/
12	Swayam	https://swayam.gov.in/
13	NPTEL	https://onlinecourses.nptel.ac.in/
14	Mooc	http://mooc.org/
15	Edx	https://www.edx.org/
16	Coursera	https://www.coursera.org/
17	Udacity	https://in.udacity.com/
18	Udemy	https://www.udemy.com/
19	Skillsahre	https://www.skillshare.com/
20	Harvard University	https://online-learning.harvard.edu/
21	Ted	https://ed.ted.com/
22	Alison	https://alison.com/
23	Futurelearn	https://www.futurelearn.com/
24	Web Development	https://digitaldefynd.com/best-free-web-development-courses-tutorials-certification/
25	Digital Marketing	https://digitaldefynd.com/best-free-digital-marketing-certifications/
26	ios app development	https://digitaldefynd.com/best-ios-app-development-course-tutorial/
27	Open Learn	http://www.open.edu/openlearn/
28	Future Learn	https://www.futurelearn.com/
29	Tuts Plus	https://tutsplus.com/
30	Open Culture	http://www.openculture.com/
31	Code Academy	https://www.codecademy.com/
32	Open Yale Courses	https://oyc.yale.edu/
33	Academic Earth	https://academicearth.org/
34	VTU e-content	http://nptel.vtu.ac.in/econtent
35	Virtual Classroom	http://www.vcr.nic.in/
36	Swayamprabha	https://www.swayamprabha.gov.in/

Open Access E-Books

Sl. No.	Description	URL
1	PDF Drive	https://www.pdfdrive.com/
2	Bookyards	https://www.bookyards.com/en
3	A Key of Excellence	https://sites.google.com/site/akeytoexcellence/home
4	Bookboon	https://bookboon.com/
5	James clear	https://jamesclear.com/best-books
6	Engineering Books Pdf	http://www.engineeringbookspdf.com/
7	E-Books directory	http://www.e-booksdirectory.com/engineering.php
8	Mechanical Engineering	https://mechanical-engineering-books-pdf.blogspot.com/2017/09/mechanical-engineering-books-pdf-master.html
9	Internet Archives	https://archive.org/
10	Directory of Open Access Books	https://www.doabooks.org/doab?func=publisher&pId=1161&uiLanguage=en
11	BookFi	http://bookfi.net/g/
12	Free E-Books	https://www.free-ebooks.net/
13	Obooko	https://www.obooko.com/
14	Springer E-books	https://link.springer.com/search?package=openaccess&facet-content-type=%22Book%22
15	Rare Books	http://www.rarebookroom.org/
16	E-book DL	http://ebook-dl.com/
17	E-books stock	http://ebooksstock.com/index.php

E-Journals

Sl. No.	Description	URL
1	NISCAIR	http://www.niscair.res.in/sciencecommunication/ResearchJournals/rejour/rejour1.htm https://
2	Springer Journals	www.springeropen.com/journals
3	Elsevier	https://www.elsevier.com/about/open-science/open-access/open-access-journals
4	Open Access Journals Search Engine (OAJSE)	http://www.kkhsou.in/library/oajse/
5	Open Access Journals	https://www.openaccessjournals.com/
6	Open Access Library Search Engine	http://www.oalib.com/
7	Nature.com	https://www.nature.com/
8	African Journals Online	https://www.ajol.info/
9	OSTI	https://www.osti.gov/
10	INSPIRE HEP	http://inspirehep.net/?ln=en
11	Scientific information Database	http://www.sid.ir/En/Journal/
12	Research search engine	https://www.djvu-pdf.com/
13	Semantic scholar	https://www.semanticscholar.org/
14	Tomorrow's Research Today	https://www.ssrn.com/en/
15	IJBST Journals	http://subscription.approvals.ijbst.org/

Other Useful Websites

Sl. No.	E-Resources	URL
1	Public Library of Science	www.plos.org
2	Intec Open Access Publisher	www.intechopen.com
3	Hindawi Press	www.hindowi.org
4	Indian Academy of Science	www.ias.ac.in
5	Open J-Gate	www.openj-gate.com
6	BioOne Journals	www.bioone.org
7	Google Scholar	http://scholar.google.co.in
8	Cogprints	http://cogprints.org
9	Microsoft Academic Search	http://academic.research.microsoft.com
10	Open Access journal Search Engine	http://oajse.com
11	Study in India	https://www.studyinindia.gov.in/
12	A Gateway to all Post graduation courses (National Mission on Education through ICT)	http://epgp.inflibnet.ac.in

VIII. Newspaper Clipping Service:

Scanning the daily Education related news and send the mail through Google Groups to the library users. It will help the library user to keep touch with regular updated information related to Education, technology, science and research etc.

Conclusion:

The above innovative practices are really useful to the library. Day by day libraries need extent the library services, facilities, & practices to its readers to save the user investment time. The Above discussed points are related to what are the things to be improving existing conditions and how to helping the library readers towards promoting e-learning as well e-literacy among the library users.