

# An Analysis the Effect on Digital Library System to College Libraries Management Systems in Dharwad

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**Abstract** – Educational institutions authority did not show interest in advanced technology, some organizations feel that it is not necessary. Users growing demands and good suggestions develop library and library activity. If library users (teachers/ students) aware and demand for digital facilities like e-resources and networking services and databases then library development start. Many institutions and library staff feel fear and stress about new technology; it is evident that, these many problems reduce the importance of digital library. Researcher in this research project finds out the actual situation of college libraries and education institutions attitude towards digital technology. Researcher also tries to know teachers interest, teachers opinion about audio video aids, digital technologies equipment in teachings process.

**Key Words** – Educational, Library, Teachers, School, Digital Technology, E-Resources

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## INTRODUCTION

The Digital Library has various implications with specific individuals & affiliations. The Digital Library that contain a collection of digital documents, databases, video games & learning materials available to children through a laptop. Collections that can be viewed over the Internet, such as GIS and CAD details, satellite symbolism, video exhibits, This can include a digital library for a space scientist. For the owner of a company, the digital library offers a collection of information about the application, such as massive market deals, stocks and offers, expenditure statistics, and so on. It is in basic words. Digital Library is a collection of digitalized material, designed for the gathering of people or a network, this helps clients to have the strength they don't have with conventional libraries. Words are utilized for interactive library use in a number of ways, such as insinuating indirectly linked activities such as sight and hearing index, knowledge processing, knowledge collection, information extraction, online software shops, computer archive, mobile archive, picture files, digital backup, digital text, eBooks, publisher repositories, e-journals, etc. As per the Digital Library Federation, "Digital Libraries are associations that give the assets, including the specific staff, to choose, structure, offer scholarly access to, decipher, disseminate, protect the uprightness of, and guarantee the diligence after some time of collections of digital works with the goal

that they are promptly and monetarily accessible for use by a characterized network or set of networks".

## OBJECTIVES

1. To explain the knowledge among librarians of electronic resources & cycle of digitization.
2. To recognize the understanding among teachers of the usage of online media as a teaching method.
3. To found the innate knowledge & deep curiosity of students in digital technologies, the technical limitations & other services offered by the college library.

## RESEARCH METHODOLOGY

Each researcher & researcher provided a well-defined, correct & clear methodology for study work. If the technique & methods are simple and effective, and if the researcher is not distracted, then every researcher will get closer to the research work. The researcher should also be alert & very carefully collected; collect secondary data & then evaluate the data for the particular scenario & get to the issue. The current work is both qualitative & quantitative in nature. The qualitative method refers both to descriptive & in-descriptive ways of analysis.

While applying a quantity approach to the issue, thorough usage of the literature should be made possible to carry out comprehensive work on the essence of the specific circumstance of the question. In order to carry out the report, the researcher will obtain data from different colleges of education in the Dharwad district. Researcher chooses university junior, senior & diploma courses for research. The process of collecting the data has been accepted by the questionnaire. This questionnaire approach has a major role to play in research. The system of the questionnaire will provide much required information. In the present study, the researcher prepaid three forms of separate data collection questionnaire. All three types of respondent & their response are very valuable and important for study purposes.

**ANALYSIS AND EVALUATION OF DATA COLLECTION**

The findings of the field study with the aid of the student questionnaire, the teacher questionnaire and the library questionnaires provided in the Dharwad districts of the colleges of educational institutions. This chapter presents an overall description of the uses, goals, requires and importance of education and also expansion and development, the creation of digital libraries, digital libraries in the Dharwad educational setting.

**PROFOUNDITY IN THE FIELD WORKS:**

While the research study carried out with the assistance of field work was limited in forms of duration and scale. The study will devote more than 3 to 4 months gathering responses from pupils, teachers and librarians. At the first meeting with students, the researcher delivered the questionnaire to the students at the classroom, and there was an informal discussion with the teachers regarding their classes, workplaces, syllabuses & activities. The study will obtain a questionnaire from the students within a few days. The study also tried to collect all the guidelines and observations provided by the faculty on innovative technical advances in colleges. It really helped the researcher to examine the results.

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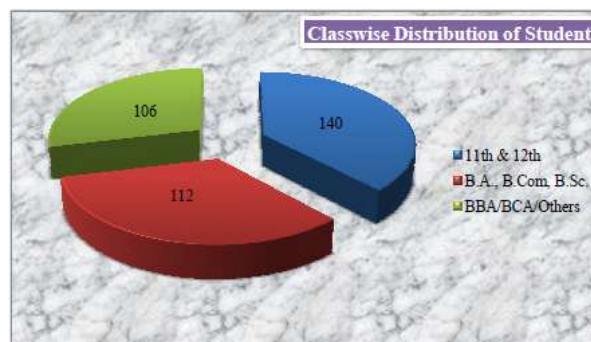
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**ANALYSIS OF STUDENTS' QUESTIONNAIRE:**

Digital Libraries & Networking Resources are the student's helping side today. Students and readers are essential in this field of research and the main theme is that they are predominantly users of digital libraries. First students tend to pursue information with the desire to succeed and be self-sufficient. If they don't get the specifics they're counting on, the students go to a friend. Each student wants ready-made papers, ready-made papers, one hand, and all information at once. Today, in networking libraries, students are reading on-screen, students want to browse further databases, e-resources, & search engines for expected information. The digital library, e-resources and its various software also allow students to learn.

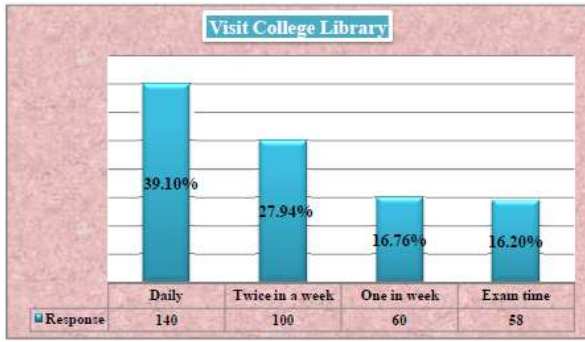
**Class wise Distribution of Student's**

1.	Junior 11 <sup>th</sup> and 12 <sup>th</sup> students'	140
2.	Senior B. A. / B. Com/ B. Sc.	112
3.	Diploma Course BBA/ BCA/ Others	106
Total		358



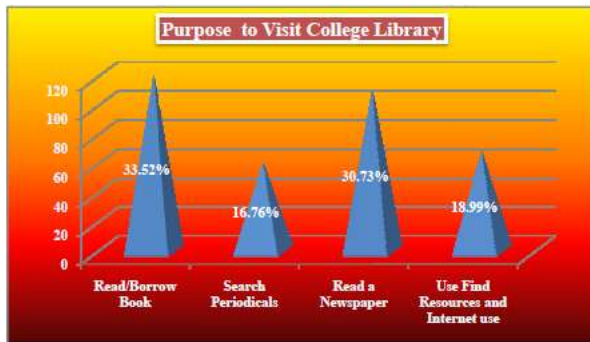
**Frequency of Visit to College Library by Students**

Frequency	Response	Percentage
Daily	140	39.10
Twice in a week	100	27.94
One in week	060	16.76
Exam time	058	16.20
Total	358	100.00%



Purpose to Visit College Library by Students

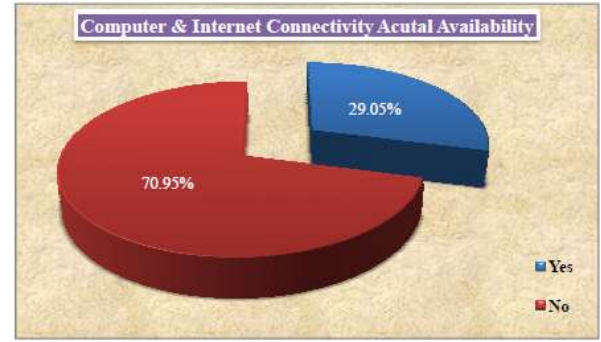
Purpose	Response	Percentage
To read/Borrow Book	120	33.52
To search periodicals	060	16.76
To read a newspaper	110	30.73
To use find resources and internet use	068	18.99
<b>Total</b>	<b>358</b>	<b>100.00%</b>



Availability of Computers and Internet Connection at College Librar

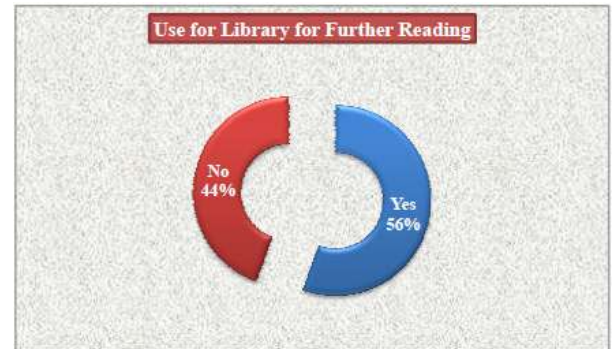
Computer & Internet connectivity actual availability	Response	Percentage
Yes	104	29.05
No	254	70.95
<b>Total</b>	<b>358</b>	<b>100.00%</b>

Computer & Internet connectivity actual availability	Response	Percentage
Yes	104	29.05
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Use of Library Services by Students for Project Work

Need	Response	Percentage
Yes	199	56.00
No	159	44.00
<b>Total</b>	<b>358</b>	<b>100.00%</b>



## ANALYSIS OF TEACHERS' QUESTIONNAIRE

Teachers become the students' mentors. Teacher teaches students, and every concept is clear in the minds of students. The teachers today are very smart and alert. They use a number of instructional approaches in the instructional process. Teachers use library services to educate.. Many conventional and technical tools are used by teachers in the teaching cycle. Teachers are now using smart classrooms — digital screen, computers, CDs, and numerous audio and video tools for teaching.

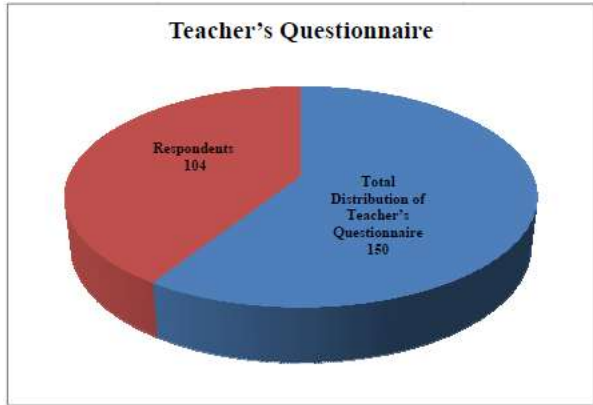
In this research study, the teacher's response is really strong, out of 150 students, 104 are answering questionnaires.

### Teacher's questionnaire

Response from the teacher's questionnaire's – 104

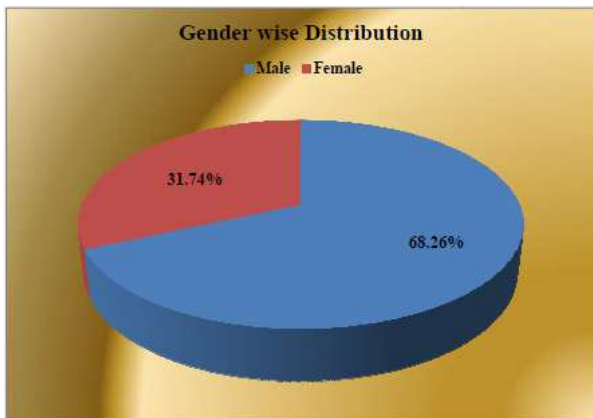
**Teacher's questionnaire response**

Total Distribution of teacher's questionnaire	Respondents	Percentage
150	104	69.34%



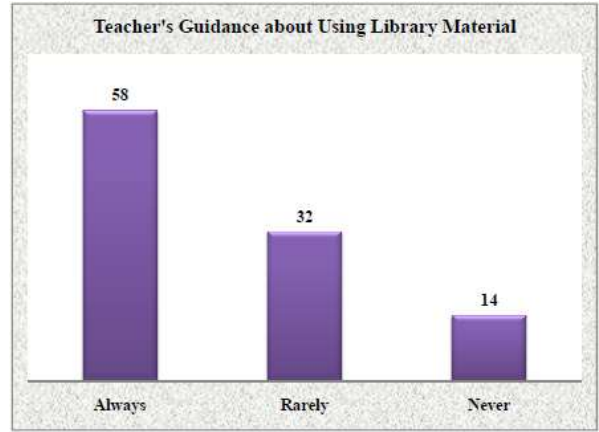
**Gender Wise Distribution**

Gender	Respondents	Percentage
Male	71	68.26%
Female	33	31.74%
Total	104	100.00%



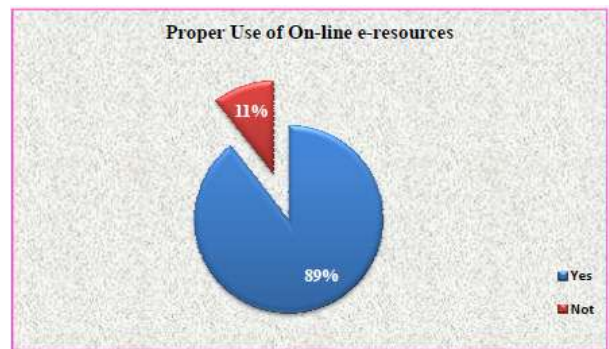
**Teacher's Guidance about Using Library Material**

Teachers guidance	No. of Response	Percentage
Always	58	55.76%
Rarely	32	29.81%
Never	14	14.43%
Total	104	100.00%



**Teachers' Expectations about E-Resources by the College Library**

	No. of Response	Percentage
Yes	93	89.00%
Not	11	11.00%
Total	104	100.00%

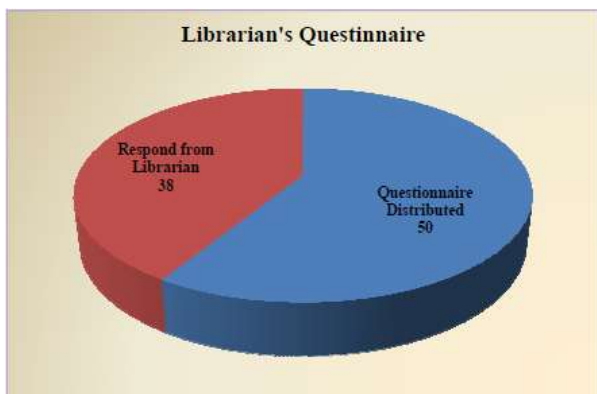


**QUESTIONNAIRE ANALYSIS BY LIBRARIAN**

College libraries are at the core of education institutions. Each college library and its growth is very necessary in terms of education. Among this technical era, college librarians have a responsibility & obligation not only to consider the type & design used by college libraries to introduce computerization & automation strategies, as well as to acknowledge & appreciate advances in technological advantages & library automation. In the advanced information-seeking era, every library librarian should be prepared to get automated and start the digitization process.

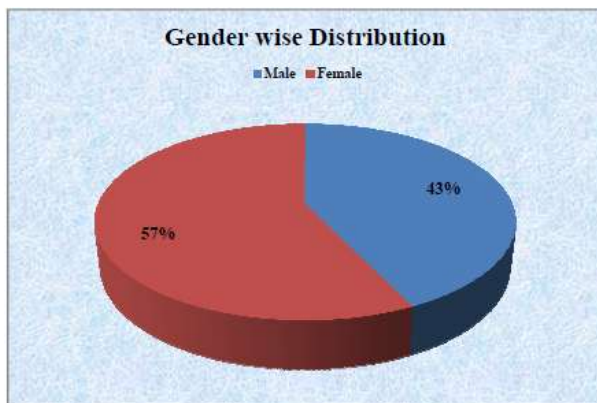
**Librarian's Questionnaire**

Total Response	
Questionnaire Distributed	Response from Librarian
50	38



Gender wise Distribution

Total Response	
Male	26
Female	12



Availability of Library Management Software

Library Software	No. of Libraries install	Percentage
(1) SOUL	06	20.00%
(2) D' Space	-	-
(3) e-Granthalaya	02	6.67%
(4) Libmen	03	10.00%
(5) Others	-	-
Total Library (30)	11	36.67%

## CONCLUSION

Today, libraries continue to develop creative services to serve the requires of users. Libraries have changed absolutely, both in their selection & growth & the nature of their facilities. Digital technologies and the usage of the Internet also transformed the nature of digital and correspondence. The library is a wonderful location that has done a lot of purpose that dream, because the libraries pull together both

human beings and registered information. The present research even looked into the real conditions in chosen college libraries with respect to library modernization and digitalisation. Studies often increase consciousness among pupils, teachers and librarians regarding the applications of electronic services. The current research has shown the rather bad real estate in digitalisation. The modern era has introduced a massive shift in the way knowledge is processed and viewed. This has contributed to a shift in the definition of librarian, their inventory and facilities. The knowledge practitioners provide consumers with a meaning. The study does not discuss the financial implications of digitization, as it depends on the technology used.

## REFERENCES

- Albee, B. & Chen, Hsin-liang (2014). Public library staff's perceived value and satisfaction of an open source library system. *Electronic Library*, 32(3), pp. 39-402.
- Alicia Garcla Medina. (2007) "The new Hybrid library. Audiovisual and digital resources." Third international conference on automated production of cross media content for multi – channel distribution, IEEE, pp. 204-208.
- Alwarammal, R. (2008). Usage of digital resources by the faculty of engineering in Kalasalingam University. *Indian Journal of Information Science and Services*, 1(2), pp. 1-6.
- Amin, S. (2003). Open Source Software for Libraries: A Trend Report. Retrieved from [http://drtc.isibang.ac.in/xmlui/bitstream/handle/1849/190/OSS\\_for\\_libraries\\_pdf?sequence=2](http://drtc.isibang.ac.in/xmlui/bitstream/handle/1849/190/OSS_for_libraries_pdf?sequence=2)
- Amollo, B. A. (2013). Feasibility of adaptation of open source ILS for libraries in
- Andrews, M. (2007). Changing markets, changing relationships: How libraries and vendors respond to the "next generation" challenge *Library Hi Tech*, 25(4), pp. 562-578. DOI: <http://dx.doi.org/10.1108/07378830710840518>.
- Balnaves, E. (2008). Open source library management system: A multidimensional evaluation, *Australian Academic & Research Libraries*. 39(1), pp. 1-13. Retrieved from <http://www.tandfonline.com/doi/pdf/10.1080/00048623.2008.10721320>
- Balnaves, E. (2013). From OPAC to Archive: integrated discovery and digital libraries with open source. Paper presented at 79th IFLA

General Conference and Assembly - "Future Libraries: Infinite Possibilities: Inspiring solutions emerging from open source. Singapore. Retrieved from <http://library.ifla.org/79/1/108-balnaves-en.pdf>

Chalon, P. X., Alexandre-Joaquim L., Naget, C. & Becquart C. (2006). Open your mind! Selecting and implementing an integrated library system: the open source opportunity, In 10th European Conference of Medical and Health Libraries, Cluj-Napoca, Romania, 11th-16th of September 2006. Retried from [http://eprints.rclis.org/handle/10760/12135#T\\_KE6\\_FL1nDM](http://eprints.rclis.org/handle/10760/12135#T_KE6_FL1nDM)

Chattopadhyay, S. (2006). Digital preservation in the twenty-first century: concept, needs, problems and solutions. *4th Convention PLANNER*, Mizoram Univeristy, Aizawa, pp. 166-172.

Das, A. (2015, July). Comparing Open Source Digital Library Software: Special Reference to DSpace, EPrint and Greenstone. *International Journal of Advanced Research in Computer Science and Software Engineering*, 5(7), pp. 70-73.

Das, A.K. (2015, July). Comparing Open Source Digital Library Software: Special Reference to DSpace, EPrint and Greenstone. *International Journal of Advanced Research in Computer Science and Software Engineering*. 5(7), pp. 70-73.

Felstead, A. (2004). The library systems market: a digest of current literature. Program: electronic library and information systems, 38(2), pp. 88–96. DOI 10.1108/00330330410532805.

Fourie Ina. (2004). "Librarians and the claiming of new roles: how can we try to make a difference." ASLIB proceedings, Emerald group publishing, Vol. 56 No. 1, pp. 62-74.

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