



ISSN Print: 2394-7500  
ISSN Online: 2394-5869  
Impact Factor: 5.2  
IJAR 2017; 3(6): 377-381  
www.allresearchjournal.com  
Received: 16-04-2017  
Accepted: 17-05-2017

**Subrata Biswas**  
Central Library, University of  
Kalyani, West Bengal, India

**Md. Yeosuf Akhter**  
Research Scholar, University  
of Kalyani, West Bengal, India

## ICT application in the college libraries of Nadia District in West Bengal: A Study

**Subrata Biswas and Md. Yeosuf Akhter**

### Abstract

This paper study to analysis the content of 22 College Libraries located at Nadia in West Bengal and trying to find out of the automation and the application of IT in the light of the problem and prospects of college libraries. It is suppose that the users of academic community start the library access from their college education. Therefore, it is very much essential to pay enough attention for the development of the automation system in the libraries of the College. In this juncture, the paper attempts to find out the problems of the building of automated college library services. Finally, on the basis of the content analysis are provided at the end of the paper for the development & implementation of the automation and e-awareness program.

**Keywords:** Academic Library, College Library, Information & Communication Technology (ICT), E-resources etc.

### Introduction

The story of civilization indicates that libraries have been an essential part of civilized society. These came into being to serve the needs of the society. Their form, character, purpose, functions and services have been determined by the needs of the society served by it. The libraries played an important part in the social, political, economic and cultural development of the society. These have a significant role in the preservation and advancement of culture; formal and self-education; and reading material and other documents to handicapped readers to alleviate their miseries; assisted disadvantage numbers of society to gain rightful place in society; helped businessmen to improve their business; assisted decision makers, researches, students and other members of society in achieving their goals.

The modern trend of education is to develop a thinking individual who should prove to be a self-reliant person in every walk of life. Such a kind of thinking individual can be created only if he is initiated into the channels, which lead him in right directions for proper development of his mind. This can be achieved by wide reading which is sure to lead him to form his independent judgment of the problems facing him. "A library is the key to the knowledge of the world and a librarian is properly called the matchmaker of the beautiful bride – the book and the curious bridegroom – the reader."

### Academic Libraries

Academic libraries may be divided in three types i.e. School, College, and University. Prof. D.S Kothari in the Education Commission Report (1964-66) described the academic function of the college library in India as "The library should provide library facilities and services necessary for success of all formal programmes of instruction, open the door to the wide world of books that lies beyond the boundaries of one's own field of qualifications and bring books, students and scholars together under conditions which encourage reading for pleasure, self discovery, personal growth and the sharpening of intellectual curiosity. The staff should be able to convert the library into an intellectual workshop and should along with teachers be in a position to teach with books.

### Academic Library System and its Development

The academic library system postulates that there should be library-oriented education in school, colleges and universities. S.R. Ranganathan suggested this to the UGC after its

**Correspondence**  
**Subrata Biswas**  
Central Library, University of  
Kalyani, West Bengal, India

establishment in 1953 when the development of university and college library system in the country was recommended. By and large, a college library is an administrative unit of the college and not an academic unit like a teaching department. This is not conducive to the fulfillment of the library system in colleges in India to provide condition that make library service effective even though Ranganathan stressed the need for development of academic library system in the fourth five year plan in 1970. There is now a need for perspective planning to recognize the college library system after studying its objectives and the role of a university library to provide common service to the constituent colleges. The college library system should be viewed as a network of local, university and national libraries forming an integral part of the academic library system.

**College Library**

In general, a college library is regarded as an institution of higher education, which usually offers a three years or a four years course after schooling to a bachelor’s degree. Some of the larger colleges also offer courses leading to master degree and same where research, but, usually research takes place at universities.

**Objective of the Study**

- To identify the collection developments of Books and Journals in print and electronic formats.
- To identify the ICT infrastructure of the college libraries.
- To identify the status of the automation process and its policy.
- To provide suggestion for the betterment of library automation and over all development.

**Methodology**

The present study has been content analysis of the 22 Colleges and Libraries affiliated to University of Kalyani, Nadia and West Bengal state were selected. The entire study depends on the content provided in the college websites.

**Data Analysis and Interpretation**

**1. Name of General Degree Colleges & Websites in Nadia**

The study is confined to evaluate the content of 22 College websites viz.

**Table 1**

SI No.	College Name	Website
1.	Asannagar Madan Mohan Tarkalankar College	www.ammtcollege.in
2.	Bethuadahari College	www.bethuadaharicollege.com
3.	Chakdaha College	www.chakdahacollege.ac.in
4.	ChapraBangaljiMahavidyalaya	www.chapracollege.org
5.	Dr. B.R. Ambedkar College	www.brambedkarcollegebetai.in
6.	Dwijendralal College	www.dwijendralalcollege.org
7.	Haringhata Mahavidyalaya	www.haringhatamahavidyalaya.org
8.	Kalyani Mahavidyalaya	www.kalyanimahavidyalaya.in
9.	Krishnagar Govt. College	www.krishnagargovtcollege.org
10.	Krishnagar Women’s College	www.krishnagarwomenscollege.org.in
11.	Nabadwip Vidyasagar College	www.nvcollege.in
12.	Ranaghat College	www.ranaghatcollege.org.in
13.	Santipur College	www.santipurcollege.in
14.	Sri Krishna College	www.srikrishnacollegebagula.org
15.	Sudhiranjan Lahiri Mahavidyalaya	www.srlm.org
16.	Karimpur Pannadevi College	www.karimpurpannadevicollege.in
17.	Plassey College	www.plasseycollege.in
18.	Pritilata Waddrdar Mahavidyalaya	www.pwmpanikhali.in
19.	Government General Degree College, Tehatta	www.tehattagovtcollege.in
20.	Government General Degree College, Nakashipara	www.muragachhagovtcollege.org
21.	Government General Degree College, Kaliganj	www.kaliganjgovtcollege.org
22.	Government General Degree College, Chapra	www.chapragovtcollege.org

1.Subject wise website analysis:

**Table 2**

SI No.	College Name	Courses offered		
		UG level		PG Level
		Hons.	General	
1.	Asannagar Madan Mohan Tarkalankar College	05	04	Nil
2.	Bethuadahari College	05	02	Nil
3.	Chakdaha College	14	09	Nil
4.	Chapra Bangalji Mahavidyalaya	09	10	Nil
5.	Dr. B.R. Ambedkar College	08	12	Nil
6.	Dwijendralal College	07	08	Nil
7.	Haringhata Mahavidyalaya	9	8	Nil
8.	Kalyani Mahavidyalaya	18	11	Nil
9.	Krishnagar Govt. College A	15	11	4
10.	Krishnagar Women’s College	8	11	Nil
11.	Nabadwip Vidyasagar College	16	12	1

12.	Ranaghat College	12	9	1
13.	Santipur College	11	14	Nil
14.	Sri Krishna College	15	15	Nil
15.	Sudhiranjan Lahiri Mahavidyalaya	08	09	Nil
16.	Karimpur Pannadevi College	10	12	Nil
17.	Plassey College	05	05	Nil
18.	Pritilata Waddardar Mahavidyalaya	05	05	Nil
19.	Government General Degree College, Tehatta	05	08	Nil
20.	Government General Degree College, Nakashipara	08	08	Nil
21.	Government General Degree College, Kaliganj	06	08	Nil
22.	Government General Degree College, Chapra	05	06	Nil

**3. Information about library collection**

This will provides about library collection details of the College Libraries. Library collection includes books,

periodicals, newspaper etc. table 3 represents examines the availability of information about library collections on the college websites.

**Table 3**

Sl. No. of College	Books	Periodicals	Reference Source	Newspaper	Journals	Conference proceedings
1.	N	N	N	N	N	N
2.	N	N	N	N	N	N
3.	Y	Y	Y	Y	Y	Y
4.	N	N	N	N	N	N
5.	Y	Y	N	N	N	N
6.	N	N	N	N	N	N
7.	Y	Y	N	Y	N	N
8.	Y	Y	Y	N	Y	N
9.	N	N	N	N	N	N
10.	N	N	N	N	N	N
11.	N	N	N	N	N	N
12.	N	N	N	N	N	N
13.	N	N	N	N	N	N
14.	N	N	N	N	N	N
15.	Y	Y	Y	Y	Y	N
16.	Y	Y	N	N	Y	N
17.	Y	Y	Y	N	N	N
18.	N	N	N	N	N	N
19.	N	N	N	N	N	N
20.	Y	N	N	N	N	N
21.	N	N	N	N	N	N
22.	N	N	N	N	N	N

Note: N= No, Y= Yes

Table 3 shows that some of the College websites have information on books, periodicals and reference sources etc. most of Colleges don't provided the details of reports on website.

**4. Information about library services**

It describes the facilities provided by the library to their users. It includes circulation, reference, reprographic service etc.

**Table 4**

Sl. No. of College	Circulation Services	Reference services	Digital Library	Reprographic services	CAS	Inter-Library Loan
1.	Y	N	N	N	N	N
2.	N	N	N	N	N	N
3.	Y	Y	N	N	N	N
4.	N	N	N	N	N	N
5.	N	N	N	N	N	N
6.	N	N	N	N	N	N
7.	Y	N	N	N	N	N
8.	N	N	N	N	N	N
9.	N	N	N	N	N	N
10.	N	N	N	N	N	N
11.	N	N	N	N	N	N
12.	N	N	N	N	N	N
13.	N	N	N	N	N	N
14.	N	N	N	N	N	N
15.	Y	Y	Y	Y	Y	N
16.	Y	N	N	N	N	N
17.	N	N	N	N	N	N

18.	N	N	N	N	N	N
19.	N	N	N	N	N	N
20.	N	N	N	N	N	N
21.	N	N	N	N	N	N
22.	N	N	N	N	N	N

Note: N= No, Y= Yes

Table 4 examines the services provided by the College Libraries. Library services providing circulation, reference, reprographic service etc. in the respective library to their user.

**5. Availability of E-Resources:**

This fall under electronic resources available in the library those are in electronic format it may be books, journals, CDs, DVDs etc.

**Table 5**

Sl. No. of College	E-book	E-journal	E-database	CDs/DVDs	Institutional Repository
1.	N	Y	N	N	N
2.	N	N	N	N	N
3.	N	Y	N	Y	N
4.	N	N	N	N	N
5.	N	Y	N	N	N
6.	N	N	N	N	N
7.	N	Y	N	N	N
8.	N	N	N	N	N
9.	N	N	N	N	N
10.	N	N	N	N	N
11.	N	N	N	N	N
12.	N	N	N	N	N
13.	N	N	N	N	N
14.	N	N	Y	N	N
15.	Y	Y	Y	N	Y
16.	N	N	N	N	N
17.	N	N	N	N	N
18.	N	N	N	N	N
19.	N	N	N	N	N
20.	N	N	N	N	N
21.	N	N	N	N	N
22.	N	N	N	N	N

Note: N= No, Y= Yes

Table 5 examines the availability of electronic resources in the respective library. Only one library e-books, Institutional repository and CDs/ DVDs; five libraries e-journal; two libraries e-database provided out of 22 libraries.

**6. ICT Infrastructure and Progress of Automation**

From the table above it is seen that only three colleges have taken some initiatives to automate the libraries and interestingly only one of the library professionals out of all the three have received formal training on the automation software package. Only one college has the Internet browsing facility for the students with limited scope on fee based. A step for automation was not sent in other.

**Table 6**

Sl No.	College Name	Print Collection				E-Collection	
		Books			Journals	Books (CD)	Journals
		Text	Reference	Book Bank			
1.	Asannagar Madan Mohan Tarkalankar College	N	N	N	N	N	Y
2.	Bethuadahari College	N	N	N	N	N	N
3.	Chakdaha College	Y	Y	N	Y	N	Y
4.	Chapra Bangalji Mahavidyalaya	N	N	N	N	N	N
5.	Dr. B.R. Ambedkar College	Y	N	N	Y	N	Y
6.	Dwijendralal College	N	N	N	N	N	N
7.	Haringhata Mahavidyalaya	Y	N	N	Y	N	Y
8.	Kalyani Mahavidyalaya	Y	Y	N	Y	N	N
9.	Krishnagar Govt. College	N	N	N	N	N	N
10.	Krishnagar Women's College	N	N	N	N	N	N
11.	Nabadwip Vidyasagar College	N	N	N	N	N	N
12.	Ranaghat College	N	N	N	N	N	N
13.	Santipur College	N	N	N	N	N	N
14.	Sri Krishna College	N	N	N	N	N	N
15.	Sudhiranjan Lahiri Mahavidyalaya	Y	Y	N	Y	Y	Y
16.	Karimpur Pannadevi College	Y	N	N	Y	N	N

17.	Plassey College	Y	Y	N	Y	N	N
18.	Pritilata Waddardar Mahavidyalaya	N	N	N	N	N	N
19.	Government General Degree College, Tehatta	N	N	N	N	N	N
20.	Government General Degree College, Nakashipara	Y	N	N	N	N	N
21.	Government General Degree College, aliganj	N	N	N	N	N	N
22.	Government General Degree College, Chapra	N	N	N	N	N	N

Note: N= No, Y= Yes

Table 6 examines the availability of Print Collection and e-Collection in the respective library.

**Findings**

- (i) Most of the college library lacks. Reference collections and mostly filled with textbook collection.
- (ii) Library lacks collection of the learned periodicals and mostly competitive magazines are available.
- (iii) The collections of non-book materials like CD/Cassettes are very few.
- (iv) The ICT infrastructure is not so adequate in the library.
- (v) The library automation policy is not defined.
- (vi) The library lacks skilled man power for automation.
- (vii) Library lacks policy for purchasing of books and periodicals.
- (viii) Most of the college library lacks of reference collections and mostly filled with textbook collection.

**Conclusion**

College library holds a distinctive position as its services, organization and administration and also significantly contributes to the realization of the objective of college education. The librarian must be prepared to exploit resources by providing information and subject matter at the right time and a suitable level and help the teachers and pupils. Due to the Population, Information, Language, Knowledge and Technological explosion it is inevitable for the application of IT for the Collection, Organization, Storage and Dissemination of information to the clientele as per their requirement. Moreover, in this electronic era there is no difference among the education i.e. rural and urban. So, to build up the stout nation and educated society, authority should have to take necessary for the revival of the library services. Now, the library services shifted towards e-library services. But due to some common obstruction in the library services fails to satisfy the demand of the user’s community. Already, Govt. and also UGC has introduced some initiatives for the reorganization of the better library services.

**References**

1. Prakash B. Content of central university library websites in India: an analysis. *E-library Science Research Journal*. 2013; 2(1).
2. Vasishta Seema. Dissemination of Electronic Journals: A Content Analysis of the library Websites of Technical University Libraries in North India. *Electronic Library*, 2013; 31(3):278-289.
3. Manjunatha KS. Content Analysis of Special Library Websites: An Analytical Study. *International Journal of Next Generation Library and Technology*. 2016; 2(2).
4. Chikkamanju. Content Analysis of the Autonomous Engineering College Library Websites affiliated to Visveswaraya Technological University (VTU), Belgaum, Karnataka A Study. *International Journal of Academic Library and Information Science*. 2015; 3(9):285-268.

5. Saha, Nimail Chand, Sain, Chitta Ranjan, De, Mrityunjay Present State of ICT Application in the College Libraries of Bankura Subdivision W.B.: A Study. *International CALIBER*, 2008.
6. www.ammtcollege.in retrieved 26-01-2017
7. www.bethuadaharcollege.com retrieved 26-01-2017
8. www.chakdahacollege.ac.in retrieved 26-01-2017
9. www.chapracollege.org retrieved 26-01-2017
10. www.brambedkarcollegebetai.in retrieved 26-01-2017
11. www.dwijendralcollege.org retrieved 26-01-2017
12. www.haringhatamahavidyalaya.org retrieved 26-01-2017
13. www.kalyanimahavidyalaya.in retrieved 26-01-2017
14. www.krishnagargovtcollege.org retrieved 26-01-2017
15. www.krishnagarwomenscollege.org.in retrieved 26-01-2017
16. www.nvcollege.in retrieved 26-01-2017
17. www.ranaghatcollege.org.in retrieved 26-01-2017
18. www.santipurcollege.in retrieved 26-01-2017
19. www.srikrishnacollegebagula.org retrieved 26-01-2017
20. www.srlm.org retrieved 26-01-2017
21. www.karimpurpannadevicollege.in retrieved 26-01-2017
22. www.plasseycollege.in retrieved 26-01-2017
23. www.pwmpanikhali.in retrieved 27-01-2017
24. www.tehattagovtcollege.in retrieved 27-01-2017
25. www.muragachhagovtcollege.org retrieved 27-01-2017
26. www.kaliganjgovtcollege.org retrieved 27-01-2017
27. www.chapragovtcollege.org retrieved 27-01-2017
28. www.klyuniv.ac.in retrieved 27-01-2017.