



## **CURRENT SCENARIO OF APPLICATION OF INFORMATION AND COMMUNICATION TECHNOLOGY IN RURAL COLLEGE LIBRARIES IN PALGHAR DISTRICT**

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### **Abstract:**

The present study carried out to know the current situation of application of ICT in rural college libraries in Palghar district. To know the infrastructure available to rural college libraries. To determine the of Information and Communication Technology resources in college libraries and information centres of Palghar District and to know the ICT based library services are provided in college libraries.

**Keyword :** IT, ICT, OPAC

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### **Introduction :**

Information and Communication Technology(ICT) in college libraries. I believe that integrating ICT tools and operations can significantly enhance the literacy experience of our scholars and promote effective information reclamation. Originally, ICT can greatly ameliorate access to a wide range of resources. By furnishing scholars with online databases-books, and digital platforms, we can offer a digital resources of information by 24 x 7 at their fingertips. This not only helps in expanding their knowledge but also ensures that they're equipped with up to date and applicable accoutrements likewise, the integration of ICT in libraries can streamline executive tasks and ameliorate effectiveness. By enforcing software results for listing, rotation, and force operation, librarians can devote further time to aiding scholars and furnishing guidance.

ICT also enables virtual collaboration and communication among scholars and faculty members. Online forums, discussion boards, and converse features foster a sense of community and encourage knowledge sharing. Scholars can seek backing from peers or librarians, and faculty members can interact with scholars to address their queries and give guidance. Incipiently, the integration of ICT in college libraries aligns with the digital skills needed in the ultramodern pool. By familiarizing scholars with colourful technological tools, we equip them with essential skills for their professional and academic hobbies.

### **Scope of the Study :**

The scope of the study is limited to aided Arts, Commerce and Science College libraries in rural areas in Palghar district. There are 07 rural college libraries selected from 05 college libraries (A: GES, N.B.Mehta (Valwada) Science College Library, B: GSP, Arts, Commerce & Science College Library, C: Arts, Commerce College Library, D: Purushottamdas Laldas Shroff College Library, E: Arts, Commerce & Science College Library to investigate the ICT infrastructure, resources and services available in the college libraries were selected for the

purpose of this study.

### Objectives of the Study :

- To investigate the ICT infrastructure available in the college libraries.
- To determine the of Information and Communication Technology resources in college libraries.
- To know the ICT based library services are provided in college libraries.

### Literature Review:

**Kannappanavar and Kumbargoudar**<sup>1</sup> studied different training programmes for the library professionals in India and concluded that most of the present training programs are general and theoretical in nature.

**Banerjee**<sup>2</sup> studied networking of Government College libraries of West Bengal. The findings reveal that the networking of Government College libraries are in a conceptual stage and the idea comes to only one or two librarian.

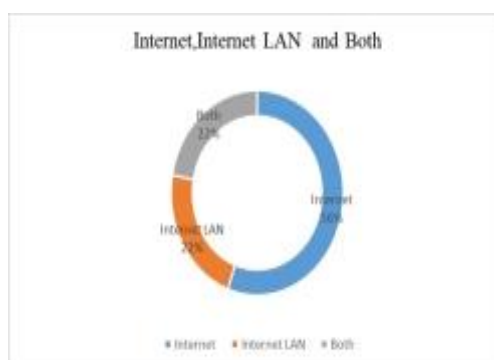
**RameshBabu, Vinayagamoorthy and Gopalakrishnan**<sup>3</sup> examined the the extent and the level of ICT skills possessed by the librarians of these institutions in their study.

**Joint (2003)**<sup>4</sup> attempts to flesh out the heterogeneous skills required by LIS professionals by relating them to past and present practice, and sketches possible paths along which digital library training might evolve.

**RameshBabu, V. and Gopalakrishnan**<sup>5</sup> examined the extent and the level of ICT skills possessed by the librarians of these institutions in their study.

### Internet, Intranet LAN and Both

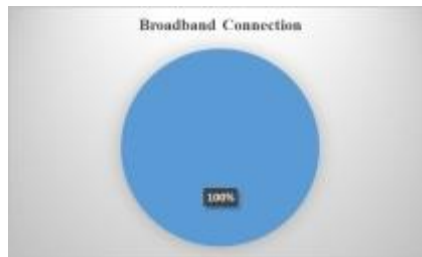
Chart No. 01



Above chart no.1 analysed the Internet connectivity in the libraries such libraries are 05 that is (100%). 02 libraries have Intranet connectivity and 02 libraries has both that is internet and intranet connectivity.

**What does library access for the Internet?**

**Chart No. 02**



Above chart shows the internet access of the libraries that is all the 05 libraries are using broadband connections and the percentage is 100%.

**6. Mention the bandwidth connectivity :**

Following table No. 1 analysed the bandwidth connectivity of the college libraries. The 02 libraries access 31-40 bandwidth connectivity, 02 libraries 41-50MB.

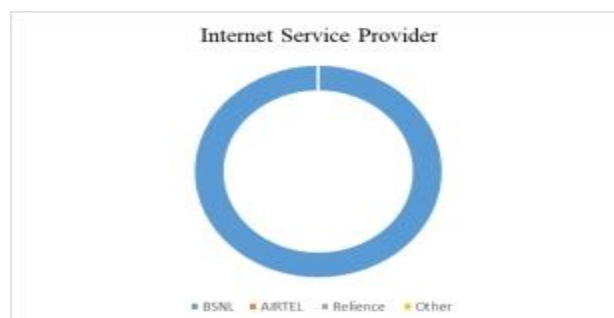
**Bandwidth connectivity :**

**Table No.01**

Sr. No.	Mention the bandwidth connectivity	No. Of Respondents
1	5-10MB	00
2	11-20 MB	00
3	21 to 30MB	00
4	31 to 40MB	02
5	41 to 50MB	03

**7. Please mention the Internet Service Provider (ISP)**

**Chart No. 03**



Above chart shows the Internet Service Provider of the libraries. All the libraries internet service provider is BSNL such libraries are 100 %.

**8. Internet is connected to the Library :**

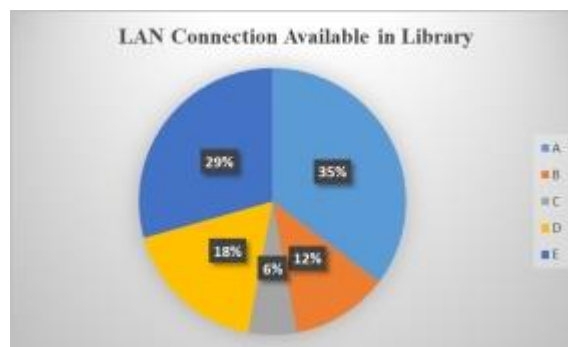
**Table No. 0 2**

Sr. No.	How the Internet is connected to the Library	No. Of Respondents
1	Library has its own server	03
2	Main server of the College	02
3	Hired Server	00
4	Any other .....	00

Above table no.02 analysed that the internet connected to the libraries. 03 that is(60%) libraries have its own server, 02 libraries (40%) are connected with the main server of the college.

**9. LAN Connection Available in Library :**

**Chart No.04**



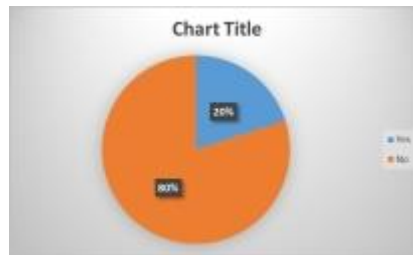
Above chart No. 4 shows that the A library has 06 connections are available, E library has 05 connections, D library has 03, B library has 02 and C library has only 01 LANconnection is available in the library.

**10. Hardware facilities of your library are adequate for library automation and networking Application.**

For library automation and networking there is a need of various types of hardware such as Computer, CPU, Keyboard, Mouse etc. The questions were asked that the hardware facilities are adequate for library automation and networking application.

**Adequate Hardware Facility :**

**Chart No. 05**

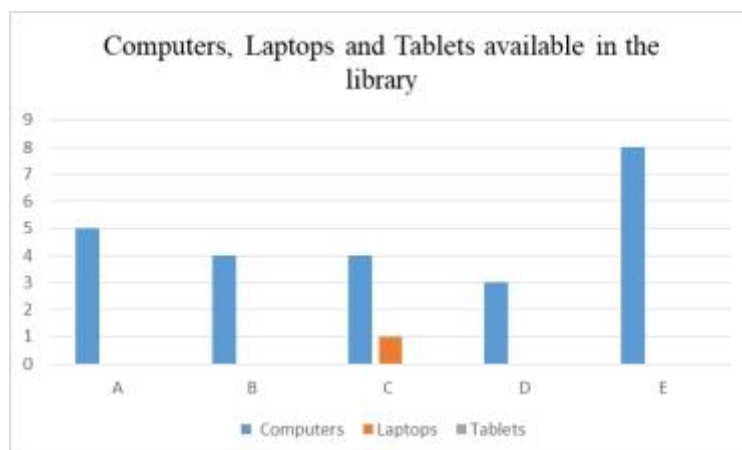


Above chart no.05 indicates that the only 01 library has the adequate hardware facilities in the library and other 04 libraries do not have adequate hardware facilities for library automation and networking facilities.

### 11.1 Number of Computers, Laptops and Tablets available in the library :

Computer hardware is very important factor for automation of library. Following chart no.06 indicates that the total numbers of computer available in the rural college library are mentioned below in the chart.

**Bar Chart No.06**



A library has 05 computers are available in the library, B has 04 PCs, C has 04 computers and 01 laptops, D has 03 computers and E has more number of computers available in the library that is 08.

### 11.2 Hardware/IT tools available in the library :

Following hardware and IT tools are available in various rural college libraries are described below. All the hardware tools are necessary requirement in the library for library automation and networking.



**Table No.03**

Sr. No.	Hardware/IT tools available in the library	No. Of Hardware	Percentage
1	Printer	04	(80 %)
2	Scanners	03	(60 %)
3	Photocopier	00	(00%)
4	Barcode Reader	04	(80 %)
5	CC TV Camera	04	(80 %)
6	Security System	00	(00%)
7	UPS/Inverter	05	(100%)
8	DVD Player	00	(00%)
9	USB Pen Drive	02	(40%)
10	Web Cam	01	(20%)
11	RFID Reader	00	(00%)
12	E- Book Reader	00	(00%)
13	LCD/LED TV	03	(60 %)
14	LCD Projector	01	(20%)
15	Wireless LAN	01	(20%)
16	Others	00	(00%)

Above table no.03 shows that the hardware and IT tools are available in rural college libraries. 04 libraries have printer facility for printing of various types of documents, 03 college libraries have scanners, 04 libraries have barcode reader and CCTV cameras, All the 05 libraries have UPS/Inverter for power backup, 02 libraries have pendrive for data backup, 01 library has Web Cam, 03 libraries have LCD/LED TV, 01 library has LCD Projector and 01 Wireless LAN.

### 11.3 Non-Print Resources:

**Table No.04**

Sr. No.	Non-Print Resources	Library Code Number				
		A	B	C	D	E
1	CD/DVD's	618	30	127	288	00
2	AV Cassettes	00	00	00	00	00
3	Online/Offline Database	00	00	00	00	00
4	Any Others	00	00	00	00	00

Above table no.4 indicates that the Non-Print Resources available in rural college libraries. The CD/DVDs collections are A has 618, B- 30, C-127 and D has 288 collections are available.

#### 11.4 Total No. of Digital Resources

**Table No.05**

Sr. No.	Total No. of Digital Resources	Library Code Number				
		A	B	C	D	E
1	E-Books	6 Lacs +	6 Lacs +	6 Lacs +	6 Lacs +	6 Lacs +
2	E-Journals	6000 +	6000+	6000+	6000+	6000+
3	E-Newspapers	7+	7+	7+	00	00
4	E-Statistics	00	00	00	00	00
5	E-Theses & Dissertations	00	00	00	00	00
6	Search Engines	3	00	00	00	00
7	Library Portals	01	00	00	00	00
8	Databases	50	00	00	00	00
9	Library Networks	02	00	00	00	00
10	Digital Archives	00	00	00	00	00
11	Discussion Forums	00	00	00	00	00
12	FAQ's	00	00	00	00	00

**Table No.03 Digital Resources**

Above table no.03 shows that the available digital resources in the college libraries that is A library has more than 6 Lacs E-books and 6000 + e-journals, 7+ e- newspapers and more than 5000 E-Thesis and dissertations, 50 various databases are available for the users and library is member of 02 library networks in India that is (INFLIBNET and National Digital Library of India)

#### 11.5 Digital and ICT based Library Services :

Due to application of ICT the library can provides various types of ICT based services to their patrons. In the following shows that analysis of ICT based library services such as computerized circulation of documents, OPAC, Web-OPAC, Internet etc. All these services are possible through ICT.

#### Digital and ICT based Library Services :

**Table No.06**

Sr. No.	Digital and ICT based Library Services	No. Of Respondents
1	Computerized Circulation of Documents	04
2	OPAC (Online Public Access Catalogue)	05
3	Internet	05
4	Web OPAC	01
5	Document Delivery through Internet	04
6	Resource Sharing through Internet	03
7	Link to relevant web resources (licensed and free) through	03
8	library portals and electronic resources	01
9	Digital archiving, institutional repositories	00
10	Online Services e.g. INFLIBNET, DELNET etc	02
11	Library consortia	00
12	Publishing Digital Collections and Indexes	00
13	Reference Help Desk to Ask a Librarian Online	01
14	Wi-Fi facility	00

Above table no.04 indicates the services provided by the college libraries that is Computerized circulation of documents and document delivery through Internet such libraries are 04 (80%), 05 libraries provide OPAC and Internet services that is (100%). 01 library provides Web-OPAC service, 03 Libraries provides resource sharing through internet and links to relevant web resources. 01 library provides library portals and electronic resources and Reference Help Desk to Ask a librarian online services. 02 libraries provide INFLIBNET services.

### Conclusion :

In conclusion, the operation of Information and Communication Technology (ICT) in college libraries in Palghar District the implicit to greatly has enhance the availability and quality of education in these institutions. The perpetration of ICT tools need to increase in rural college libraries in Palghar district such as computers, internet connectivity, e-books, e-journals, databases and automated library systems can give pastoral scholars with access to a wide range of educational accoutrements and enable them to develop pivotal digital knowledge skills.

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