

# **Journal of Advancements in Library Sciences**

Volume 6 | Issue 1 | 2019

## **Special Issue**

**National Conference on  
“Emerging Trends and Technologies in  
Library and Information Science”**

**Organized By**

**Department of Library and Information Science (DLISc)  
and  
Barr. Balasaheb Khardekar Knowledge Resource Center  
(BBKKRC), Shivaji University, Kolhapur, Maharashtra, India**

**On**

**6<sup>th</sup> March 2019**

**STM Journals, an imprint of Consortium e-Learning Network Pvt. Ltd.**

A-118, 1st Floor, Sector-63, Noida, Uttar Pradesh, PIN 201301, India

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**PDF Compressor Free Version**  
**The Awareness Regarding Basic ICT Skills and Use of E-Resources among the PG & UG Students in RSB College, Aundh Dist. Satara: A Study**

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Research Scholar, Tilak Maharashtra Vidyapeeth, Pune, Maharashtra, India.

**Abstract**

*Today, Technology has become an essential part of every sector which is belonging to human beings. Academic libraries and Information centers are the soul and core part of any academic institutions which plays the significant role in supporting and disseminating learning resources. Electronic resources are become popular in this ICT era and hence researcher has attempted to know the awareness of e-resources and basic skills of ICT for using these resources among the PG & UG learners from Raja Shripatrao Bhagawantrao Mahavidyalaya, Aundh Dist. Satara (Maharashtra). In keeping view of objectives, investigator has designed the questionnaire and received data using simple random sampling and result showed that multimedia based resources are more popular among the user community as well as WhatsApp and e-mail are playing important role in sharing and disseminating the information to each other.*

**Keyword:** Information Communication Technology, Internet, Academic Libraries, ICT Skill, Electronic resources.

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**INTRODUCTION**

Today every area of human life is influenced with information and communication technology. ICT has become boon to every sector for achieving their Goal and objectives effectively and timely. Many research studies had been shown the significance and impact of ICT through their organization outputs [1]. This idea and importance of this technology has been adopted and implemented by higher education system since the generation & development era of computer and Internet. In higher education system, teaching and learning ways are changed by technology. Techno savvy learners are mostly preferred to ICT based teaching and learning based resources which are in multimedia form [2]. Therefore academic libraries, Information centers are concentrated in developing collection building in digital form resources rather than print counterpart. In considering the present essential needs of users, researcher has attempted to study to know the awareness regarding the basic ICT skills which are necessary and important while accessing the e-content as well as to know the information

regarding electronic resources. In keeping above basic purpose, Researcher has chosen the population area of Raja Shripatrao Bhagawantrao Mahavidyalaya, Aundh Dist. Satara. This higher education system is established in 1994 and it is run by Aundh Shikshan Mandal Aundh which has historical heritage [3]. At present there are more than 700 students are learning the higher education in Arts and Science Stream. It has also opened the Post-Graduation education in Geography discipline. This reputed institute is situated in hilly and remote areas.

**OBJECTIVES OF THE STUDY**

1. To know the awareness regarding basic ICT skills among the UG & PG students of RSB Mahavidyalaya Aundh.
2. To identify the use of electronic based resources among UG & PG community.
3. To examine the utilization of e-resources basically which are contained under the N-List programme.
4. To find out the barriers while using these scholarly e-resources.

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**HYPOTHESIS**

1. The students from UG & PG community are less aware with e-resources.
2. Google search engine is popular among the user community.

**RESEARCH METHODOLOGY**

The present study has been applied the survey method for collecting the primary data through questionnaire tool. The questionnaire is designed in English language and care has been taken of understanding level of students. For this study, Investigator has chosen the 95 students from Physics, Botany & Chemistry departments of third year (UG) and PG students from Geography discipline. The primary data is gathered with circulating questionnaire Applying simple random techniques at User Orientation Programme held on 22/07/2018 at RSBM College, Aundh. Out of 95 circulated questionnaires, 60 questionnaires are back returned with rate of more than 50%. Received questionnaires have found 10 set with error and incomplete therefore fifty completed questionnaires have final selected to present study. Further, researcher has used the MS-Excel tool to analysis process of primary data and result showed through table and charts wherever necessary. Secondary data has collected through various journals, books and reports [4].

**DATA ANALYSIS AND INTERPRETATION**

The step of data analysis is very important to indicate the results of any study. Researcher has used the MS-Excel sheet tool for input and tabulation process of primary data which is collected from respondents though the questionnaire way. The findings have been presented in the form of table & graph.

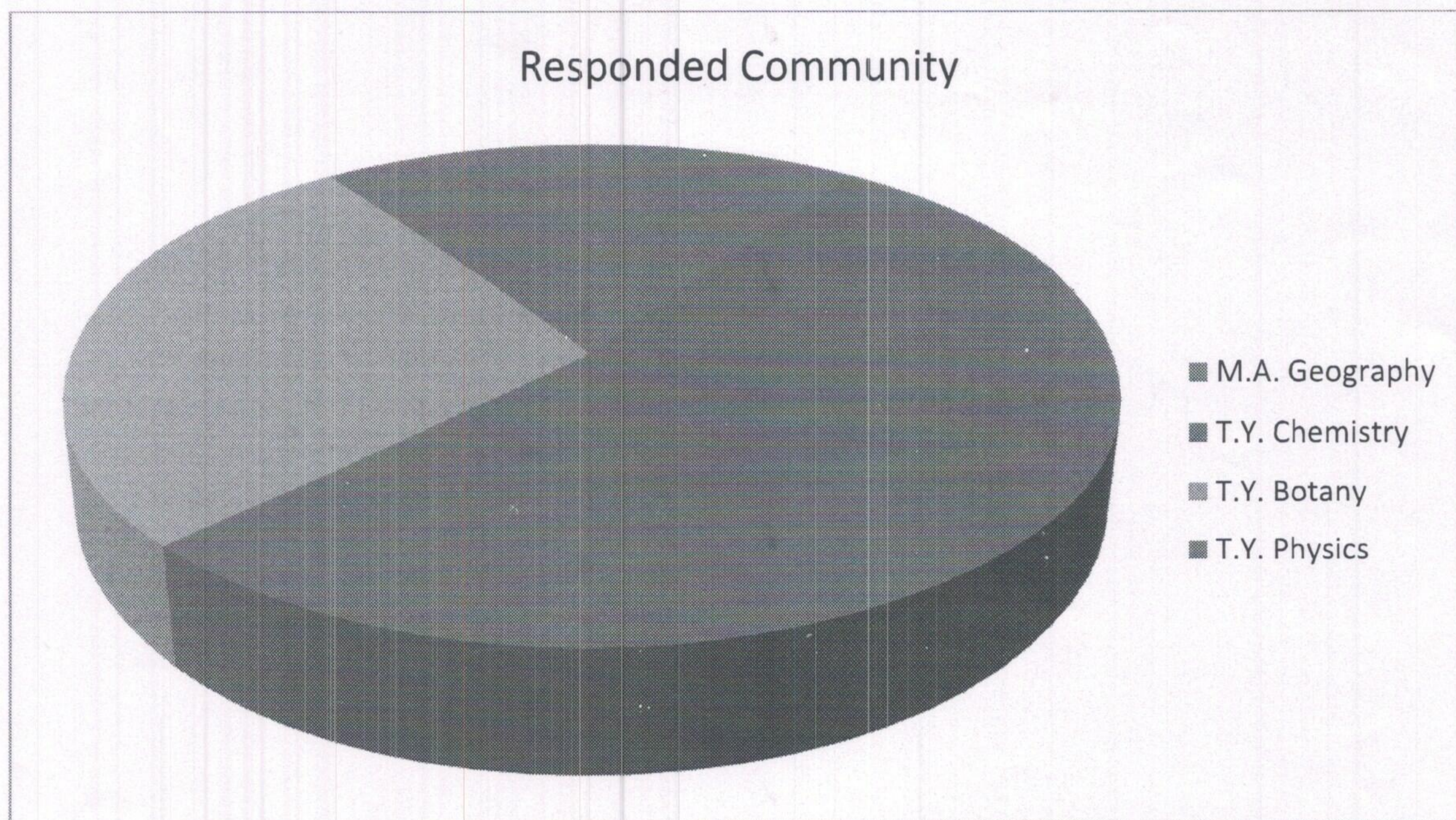
**Respondents Community**

Table 1 reflected the overall picture of respondents as per disciplines of PG Geography, Third Year Chemistry, Botany and Physics disciplines. Table 1 showed the result that respondents from Chemistry department have majority responded with number of 27 and followed by 14 from Botany, 5 from Physics and Geography respectively. It also reflected that near about more than 50% students have responded to the survey based questionnaire.

*Table 1: Responded Community.*

Sr. No.	Discipline wise community	Number of Response	Total community
1	M. A. Geography	05	10
2	T.Y. Chemistry	27	55
3	T.Y. Botany	14	20
4	T.Y. Physics	05	10

Source: Compiled by researcher



*Fig. 1: Responded Subject wise Community.*

## PDF Compressor Free Version Gender wise Distribution

Table 2 showed that majority patrons from female category have responded with 37 and remaining from male category which is 13 numbers are least as compared to female category.

**Table 2: Gender Distribution.**

Responded students	Male	Responded students	Female
13		37	

Source: Compiled by Researcher

### Visit to Library

Table 3 clearly indicates that still today in the age of digital students are visiting to library with majority number. Present study showed that 32 students are visiting daily to library, 09 students comes to library once in month, 07 students comes at library once in week and 02 students never comes.

**Table 3: Visit to Library.**

Sr. No.	Time space in visiting the library	Response
1	Daily	32
2	Once in a week	07
3	Once in a month	09
4	Never	02

Source: Compiled by Author

### Awareness with Skills

Table 4 showed the picture of awareness with various technological tools. 100% students from Geography, Physics, Botany and Chemistry are fully aware with Computer, Mobile, printing and other sharing tools. But some students are not aware with print technology.

**Table 4: Awareness of Skill.**

Sr. No. & Dept.	Use of Skills	Number of students
1	Computer use	50
2	Mobile use	50
3	Printing	43
4	Sharing information through e-mail, Face book, WhatsApp etc.	50

Source: As per Primary data

### Known with Search Engine

Table 5 depicts that entire community is fully aware with Google search engine and followed by Yahoo is used by 14 students and 05 students used apart from it. Entire user is used

as Google search engine and popular among them hence hypothesis no. 2 is established.

### Purpose of Using

Table 6 and Figure 1 showed that most of the students are using search engine for the purpose of entertainment and as per their needed information by 45 & 46 students and 10 students are prefer for the purpose of academic and only 03 students used the N-List e-resources through this way.

**Table 5: Search Engine.**

Sr. No.	Use of search engine	Responded
1	Google and Google Chrome	50
2	Yahoo.	14
3	Other	05

Source: As per Primary data

**Table 6: Purpose behind Using.**

Sr. No.	Purpose of use	Response rate
1	To download the U-Tube video for entertainment	46
2	To find information regarding assignment, homework etc.	10
3	To visit & access the e-resources through N-List Programme	03
4	To get the general information as per their need	45

Source: Compiled by Researcher

**Table 7: Use of E-Resources.**

Sr. No.	Types of e-resources	Used by respondents
1	E-book & E-Journals etc.	05
2	Videos on various Information	38
3	Websites	13
4	E-question paper, newspapers, e-maps etc.	22

Source: Compiled by Researcher

### Known with e-Resources

Majority students like the multimedia e-resources in the form of videos and 38 students indicated their interest with it. Followed by 22 students prefer to e-questions papers, newspapers and maps after that 13 students choice to website as a e-resource and remaining 05 students are prefer to e-books and e-journals. When we look at the overall picture of respondents opined that they are not fully aware with the various types of e-resources. It means that they are less aware with it and hence hypothesis is tested. Table 7



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### Use of Sharing Tools

Table 8 showed the picture that WhatsApp is a mostly preferred tool by 47 students followed by e-mail is used with 35 respondents. Face book is used by 07 respondents and twitter and blog is not used by anyone.

### Facilities Provided by Institution

Student community opined regarding the facilities provided by institution. 45 students said that computer lab facility is available and 43 students told OPAC is provided followed by 40 & 20 students opined that computer is available at library and department respectively (Table 9).

### Supports get to Student's Community while accessing the e-Resources

Table 10 indicate that majority students get the support while enjoying the e-resources and occurring the problems from their friends has opined by 42 students followed by 23 from library staff, 15 from concerned teachers and 10 from others.

**Table 8: Use of Tools.**

Sr. No.	Used tools	Response rate
1	E-mail	35
2	WhatsApp	47
3	Face book	07
4	Twitter, Blog etc.	0

Source: Compiled by Researcher

**Table 9: Provided Facilities.**

Sr. No.	Facilities provided by Institution.	Responded
1	Internet connected computer at library	40
2	Computer Lab Facility	45
3	Computer at department	20
4	OPAC Facility	43

Source: Compiled by Researcher

**Table 10: Support from Various Sources.**

Sr. No.	Supported things	Responded
1	From library staff	23
2	From your friend	42
3	Through concerned teachers	15
4	Any other	10

Source: Compiled by Author

### Barriers while using e-Resources

Table 11 showed that entire respondents have facing the low speed of internet connectivity followed by 40 students opined power shortage, 25 students said the problem of lack

of computer and 20 students opined the lack of proper knowledge while searching the required information from Net.

**Table 11: Difficulties while Using E-Resources.**

Sr. No.	Barriers while using e-resources	Response rate
1	Lack of computer in library and computer Lab	25
2	Power shortage	40
3	Low speed or connectivity of Internet	50
4	Lack of information about proper use	20

Source: Compiled by Author

### FINDINGS

On the basis of the primary data, researcher has analyzed and found some results as per following.

1. Majority students are responded to the questionnaire from female category rather than male.
2. Google & Google Chrome search engine is mostly used by majority respondents.
3. Entertainment and general information searching is the major purpose behind searching on Net and least preference is given to academic purpose.
4. Multimedia e-resources in the videos form are most used, followed by e-question paper, newspaper and maps.
5. WhatsApp and E-mail tool is more popular than Facebook and twitter, Blog etc.
6. Majority respondents are satisfied with facilities which are provided by institution.
7. Friends are playing important role while occurring the any problem using e-resources and other information from Internet.
8. Low speed of Internet connectivity is the major barrier while enjoying the e-resources.
9. Power shortage, lack of proper knowledge and lack of computer is also found the problems through this study.

### RECOMMENDATION

1. Library professional need to Arrangement of Information Literacy Programme among the UG & PG community for Proper use of e-resources to academic purpose rather than entertainment.
2. Librarian should use the WhatsApp and e-mail tool for disseminating the information

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which is popular tool among the user community.

3. Teachers and Librarian should play modern role as a facilitator among the students community while occurring any problems to students.

4. Institution Authority and Management should urgent need to provide the more number of computers, high speed connectivity of Net or Wi-Fi facility and providing generated facility to student's community.

### CONCLUSION

Present study is carried out by researcher on survey based method at RSB Mahavidyalaya, Aundh Dist. Satara. Through this study many results identified that majority students are aware with basic ICT bases tools as well as usage of e-resources among the UG & PG user community and Google is more popular among them. These community is prefer to WhatsApp and e-mail facility for sharing the information among them but low speed of internet connectivity, power shortage are basic barrier among them while using these type of resources.

### ACKNOWLEDGEMENTS

I am very thankful to my both small kids who

doesn't disturb while preparing my research work and I am also very thankful to my life partner who has contributed her valuable time for grammatical checking in the article.

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### Cite this Article

Amir Amanullah, Gajanan P. Khiste. Scientometric Assessment of publication output of Open Access E-Books on Chemical Technology in DOAB. *Journal of Advancements in Library Sciences*. 2019; 6(Special Issue 1): 22s–26s.