

AWARENESS AND USAGE OF ONLINE INFORMATION RESOURCES IN ENGINEERING COLLEGE AFFILIATED TO RGPV, BHOPAL

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Abstract *The study aims at finding the awareness and usage of online information resources among faculty members, research scholars and post graduate students in private engineering college libraries of affiliated to RGPV Madhya Pradesh. It is very important for effective use of library resources by the users. This paper gives an overview of the awareness of online information resources among library users. An attempt is made to find out the status of e-resources in engineering college libraries. The analysis of the preliminary study reveals that purpose of using online resources and extent of user's satisfactions towards online resources.*

Keywords: *E-resources, Engineering Colleges, Libraries, E-journals*

INTRODUCTION

Information communication technology has change of dissemination, and the flow of information is not restricted to any kind of boundaries. In the field of information technology electronic publication deals with the collection, modification and distribution of information, art and software in any form, such a physical media or via computer network. Electronic publishing may be divided into categories; online publishing and off line publication. Online publications uses computer and communication network including the internet, intranet for delivery of content. Offline publication uses storage media such as CD-ROM, DVD, and memory card for distributing the content. The development in information technology has brought e-journals as a boon to e-research communities, which are becoming a major source for scholarly communication.

Online electronic information resources are those resources, which include e-document in electronic format where you can search the contents of journal articles and material on a particular topic that can be access via digital library environment, Electronic information resources include networked text, images, maps, sounds, videos other multimedia product like numerical, graphical mode available for library and information centre's. These may be delivered

or transfer to other place through CD-ROM/DVD, over the internet and so on.

To access the online resources is a paperless system to help library users to access electronic database, E-Journals, E-magazines, E-books, e-newsletters, conference proceedings and web based search tools on a range of topic. E-resources are a better retrieval and faster communication system which support to multi user accessibility either on a particular place or remote access. Some of the electronic resources are freely available to anyone over Internet access. In modern library the electronic resources are becoming more and more important.

REVIEW OF LITERATURE

Khan, Saima and Haridasan and Sudharma (2015). In their studies reveals that online databases access provided by the library of AMU and DU are not fully utilized by the library users and many users are still depending on subscribed printed journals for their teaching or study. Most of the library users satisfy with online database service in both the universities, for their research purpose.

Islam, Md. Maidul and Habiba, Umme (2015) Studies found that, library users of the institute using internet from their

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home. Only few percentages of the respondent's accessed e-resources, they used few times every week. The main aim of searching online resources for self-learning. These users also searching for latest information for their research work.

Agyekum, Baffour Ohene and Ossom, Samuel (2015). Most respondents were aware and users of subscribed e-journals and they access them in their in their various offices, departments and laboratories. On frequency of usage, it was evidently clear that most respondents do not use the e-journal frequently.

Ahmad, Moin and Panda, K. C (2013). In this study results show that lack of awareness, interest of e-resources available in library particularly the CR-ROM databases and OPAC services. Most of the faculty members are aware of e-resources and use the for their studies. The study confirmed due to lack of knowledge and use of e-resources such as e-theses, e-journals, e-newsletter, patents and CD-ROM database. It is find out that 100% faculty members agreed that electronic resources are very useful and important to their academic studies.

Das, Prangya (2013). In their studies library members are facing the problem while using e-resources. 14(61%) research scholars feels that relevant electronics materials are not available in the library. 19(82%) research scholars admitted that most of desired information resources are incomplete. 11(47%) are facing the problem while finding relevant electronic information. 14(61%) admitted that internet access information from the server is very slow. 12(53%) scholars are facing the problems due to network issue on internet. 10(43%) research scholars intimate that it has been taken long time to download relevant information through internet. 18(78%) research scholars intimate that they are facing lots of problems while seeking electronic information due to lack of information of library staff members.

Mostofa, Sk. Mamun (2013). In this studies results show that the use of e-resources is very common among the students and faculty members are dependent on electronic resources to get the desired information. But actual use of electronic resources is not worthy in comparison to investment to

acquiring these resources. Training programs should also be organized as per requirements. It is observed that the availability and access of e-resources on their campus is sufficient for all the disciplines but the use these subscribed resources is not adequate and cannot meet the requirements of users.

OBJECTIVES

- To know the awareness and usage of online information resources among library members of private engineering college library.
- To assess the satisfaction level of the respondents on the available information resources of the library.
- To examine the level of satisfaction of library users while using e-resources.

SCOPE OF THE STUDY

The following engineering colleges have been included for study: The study is limited to 5 engineering colleges affiliated to RGPV, Bhopal.

- Sagar Institute of Research & Technology (SIRT), Bhopal
- Technocrats Institute of Technology (TIT), Bhopal
- Takshshila Institute of Engg. and Tech.(TIET), Jabalpur
- Oriental Institute of Science & Technology (OST), Bhopal
- Truba Institute of Engineering & Information Technology (TIEIT), Bhopal

METHODOLOGY

The questionnaire was distributed to the librarians of the colleges. On the basis of questionnaire the data has been collected, analysed and interpreted by using statistical method and presented in the form of tables.

Table 1: Online Information Resources in Engineering Colleges

Name of the College		E-Journals	E-Books	OPAC	Newspaper/ Magazines	Online Database
	SIRT	Science Direct, DELNET	150	Yes	25	1
	TIT	Science Direct, IEEE	2500	Yes	30	2
	TIET	DELNET, J-Gate	55	Yes	35	2

Name of the College		E-Journals	E-Books	OPAC	Newspaper/ Magazines	Online Database
	OIST	IEEE, Science Direct, ASCE	50	Yes	32	4
	TIEIT	DELNET, J-Gate	Nil	Yes	24	2

Table 2: Awareness About Online Information Resources

	Number of Respondents	Percentage
Library staff	25	16.13
Through e-mail	51	32.90
Notice Board	7	4.52
Colleagues / Class fellows	55	35.48
Library website	17	10.97
Total	155	100

Table 2 shows that 25 (16.13) respondents were made aware through library staff, 51 (32.90) were aware through email received from the library, 7 (4.51) aware through notice board, 55 (35.48) were aware through colleagues/ class fellows and 17 (10.97) were aware through library website. It was found that majority of library users aware about online information resources through colleagues/class fellows.

Table 3: Awareness About Online Information Resources

Respondents	Yes	Percentage	No	Percentage	Total
Faculty	77	100	-	0	77
Research Scholars	20	71.43	8	28.57	28
Students	29	58.00	21	42.00	50
Total	126 (81.29)		29 (18.71)		155

Among the total respondents, Table 3 shows that out of 155 respondents 126 which are 81.29% are aware of online

information resources and 29 members which are 18.71% are not aware of online resources.

Table 4: Frequency of Using Online Information Resources

	Faculty	Research Scholars	Students	Total
Daily	50(64.93)	25 (89.29)	41 (82)	116
2/3 times a week	20 (25.97)	3 (10.71)	9 (18)	32
Once a week	-	-	-	-
Once a month	-	-	-	-
Occasionally	7 (9.10)	-	-	7
Total	77 (100)	28 (100)	50 (100)	155

Among the total respondents, Table 4 shows that 50 (64.93%) of the faculty used online resources regularly whereas 20 (25.97) of the faculty used 2/3 times as week and only 7 (9.10) of the faculty used occasionally. 25 (89.29)

of the research scholars used online resources daily and 3 (10.71) used 2/3 times a week. 41 (82) students used online resources daily and 9 (18) used 2/3 times a week.

Table 5: Purpose of Accessing Online Information Resources

Purpose to read & search online resources	Students	Faculty	Research Scholars	Total
For study	35 (70)	11 (14.29)	6 (21.43)	52 (33.54)
For research	5 (10)	9 (11.68)	16 (57.15)	30 (19.35)
For teaching	Nil	45 (58.45)	2 (7.14)	47 (30.33)
For writing article	10 (20)	12 (15.58)	4 (14.28)	26 (16.78)
Total	50 (100)	77 (100)	28 (100)	155 (100)

Among the total respondents, Table 5 shows that out of 155 respondents 52 (33.54) accessing online resources for study, 30 (19.35) accessing for research purpose, whereas 47 (30.33) accessing online resources for teaching and 26 (16.78) accessing online resources for writing article.

Table 6: Users Opinion About the Online Resources

Statement	Most useful	Useful	Moderately useful	Not useful	Total
IEEE	110 (70.97)	25 (16.13)	20 (12.90)	-	155 (100)
ASME	14 (9.03)	73 (47.10)	68 (43.87)	-	155 (100)
Springer	110 (70.97)	38 (24.52)	7 (4.52)	-	155 (100)
Science Direct	105 (67.74)	42 (27.10)	8 (5.16)	-	155 (100)

Table 6 shows that (70.97%) users opinion about IEEE online resources are most useful, (70.97%) users opinion about Springer online resources are most useful and (67.74%) users like Science Direct online resources.

Table 7: Type of Online Information Resources Used Frequently

Types of Resources	Students	Faculty	Research Scholars	Total
E-Newspapers	20 (40)	25 (32.47)	3 (10.71)	48 (30.97)
CD-ROM	7 (14)	6 (7.79)	2 (7.14)	15 (9.68)
E-Magazines	6 (12)	6 (7.79)	5 (17.86)	17 (10.97)
E-Journals	12 (24)	21 (27.27)	11 (39.29)	44 (28.39)
E-Books	5 (10)	19 (24.68)	7 (25)	31 (20)
Total	50 (100)	77 (100)	28 (100)	155

Table 7 shows the usage of online resources frequently out of 155 respondents 48 (30.97%) users access e-newspapers, 15 (9.68%) users used CD-ROM database, 17 (10.97%) users reading e-magazines, 44 (28.39%) user are using e-journals for study and 31 (20%) users using E-books for study.

FINDINGS OF THE STUDY

- The findings of this study show that response received from the faculty members & students regarding access of online resources shows that they were aware about the e-resources and majority of faculty members & research scholars (more than 90%) were aware about the online database subscribed by the library.
- About 39.29% of research scholars and 27.27% of faculty members were accessing the e-journals on frequently.
- Majority of the faculty members (58.45%) were using for teaching and research scholars (57.15%) were using for research purpose followed by (15.58%) faculty members and (14.28%) used online resources for writing articles and conference papers.
- Majority of library members (34.84%) access e-resources through library portal.
- Majority of the faculty members (100%) were aware about online resources and (71.43%) research scholars were aware about online resources.
- Majority of library members (35.48%) preferred digital library for accessing online resources.

RECOMMENDATIONS

On the basis of findings, the following suggestions are made to improve the services of engineering college libraries:

- A orientation program should be organized for all students, faculty members & research scholars. This will help to use the electronic resources & library services.
- The library professionals should also identify the non-users of online resources and provide better steps to convert them into potentials users of e-resources.
- Librarians should made more effective strategies using social media such as whatsapp message, e-mail alert messages, text messages to use of the library's electronic resources.
- Majority of faculty members accessing e-resources in his/her office.
- It has been also found that majority of the research scholars and faculty members opined that online information resources/ e-resources are most helpful.
- Majority of users responded that orientation program or training in using e-resources must be organized for library users.
- Majority of the respondents ranked the all online information resources as very good only few are not satisfied with e-resources provided by the library.

CONCLUSION

The study investigated the awareness and utilization of library online information resources and related issues among faculty members of Engineering Colleges affiliated to Rajeev Gandhi Technical University, Bhopal. This is a matter of concern, as presently, electronic or online information sources and the Internet are considered extremely important tools for effective teaching and research. Online resources represent an important Faculty members are heavily dependent on online resources for their teaching and research and keep them up-to component of the collection building activities in the libraries. With the availability of electronic information resources and access tools, Libraries of Engineering colleges are playing an important role to provide online information resources find services to its users. Hence, the library users of engineering & management institutions should be aware of the availability of online resources. The study reveals

that the faculty members, research scholars & students of engineering colleges are mostly using the online resources for research purpose and publishing of articles they are using the available online resources satisfactory.

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