

**ELECTRONIC RESOURCES: UTILIZATION AMONG FACULTY MEMBERS IN  
ENGINEERING COLLEGES OF NAMAKKAL DISTRICT: A CASE STUDY**

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**Abstract**

The present study is based on engineering colleges in Namakkal District. To examine the use of electronic resources among faculty members as provided by the library of engineering colleges using survey method. This study is conducted using a total number of 155 Faculty Members and received 155 respondents. The present study demonstrates the various aspects of the purpose of visiting the library, awareness of use of traditional library services, availability of infrastructure facilities to support of using the library activities identifies the frequency of using electronic resources, awareness of electronic resources, preferable usage of e-resources, reason of preferring e resources, problem faced while using e-resources and know to satisfaction level of the students.

**Keywords:** Electronics Resource, Utilization, Engineering, College, Faculty, Namakkal.

**Introduction**

The current period is referred to as the "information and knowledge revolution," and libraries are playing an highly important role in communicating this revolution. Many various sorts of electronic materials are available in academic libraries, which is a large collection. Many of the academic libraries spent more budgets for electronic resources subscription. Electronic information is highly required for the research areas. The research studies most prefer electronic information only. A large number of research studies have discovered elements that influence the transmission and use of information, as well as ways for boosting the flow and usage of information, among other things. User studies are being given the consideration they need in order to address issues such as inappropriate communication and use of information and information resources. The study of online information seeking behaviors, which is considered to be one of the most successful methods of conducting user surveys, has become a popular area of study for many information professionals.

Users are attracted to electronic resources because of their extensive potential and bright future. Users can access and retrieve e-resources at any time of day or night. It is portable, time saving, easy to access; it is the primary goal of electronic resources to provide updated information to users. While there are many other kinds and formats of electronic resources available on the internet, some of the more popular and rapidly growing ones include electronic journals and standards, full-text articles, books, and an assortment of other document sources. Libraries are now giving information through electronic sources, rather than traditional print materials ones

**Statement of the Problem**

A variety of electronic resources are included, including e-books, e-journals, electronic databases, digital/knowledge archives, e-newspapers, and the internet. So called e-resources are those resources that are available in electronic form and may be accessed through a networked system such as an intranet, the internet, or a standalone computer system. E resources are resources that are available in an electronic format or on the internet (also known as electronic resources). The advantages of electronic resources include cost savings on printing and paper, as well as improved data storage, maintenance, and

easy transfer and time saving etc. Online information resources are a vital source of information for any institution or organization, and they should not be overlooked. Academic users are in need of the most up-to-date and precisely focused information.

Most of the reading materials are now available in electronic form, thanks to the fast growth of information and communication technology (ICT). E-publishing has turned the traditional information delivery model on its head, allowing information in formats such as books, journals, newsletters, magazines, and research papers to be distributed more quickly, more effectively, and, most importantly, in a more dynamic and extractive manner than ever before. It is possible to classify e-resources into several categories based on their nature, qualities, and intended usage. According to their cost, they may be divided into two types: open access e-resources and paid e-resources. Open access e-resources are free, whereas paid e-resources are charged. Academic libraries are giving both types of e-resources to its users, according to several researches.

### **Objective of the Study**

The present study aims to find out the expectations of faculty members on library electronic resources and services at Engineering Colleges in, Namakkal District. This study is contains the following major objectives are as follows,

- Purpose of visiting the Library
- To find time spent in the Library
- To find purpose of using e-resources
- Quality of e –resource
- Hours spent per day for accessing e-resources
- Use of e – resources
- Level of satisfaction of e- resources
- Suggestion and recommendations were given by the users

### **Review of Literature**

**Fidelugwuowo, Ugonna B. (2022)** this study reveals that,Google and Yahoo were most frequently used search engines among the lecturers. Alta vista, Lycos, and Ask jeeves were not used among the lecturers.**Suraj Kumar Dwivedi (2022)** this study explains about the electronic resource,Users are attracted to electronic resources because of their enormous potential and shining future. Users can access e-resources at any time of day or night and can take their own time. . It is the main goal of electronic resources to provide updated information to users. While there are many other kinds and formats of electronic resources available on the internet, some of the more popular and rapidly growing ones include electronic journals and standards, full-text articles, and an assortment of other document sources. Libraries are now giving information through electronic sources, rather than traditional print ones.**Dr.B.Jeyapragash et al. (2022)** they recommended that,the electronic-resources are the easiest and fastest way to manage and retrieve the information. This study recommends subscribing more electronic journals and databases, Awareness and Training programs to access e-resources; Digital library infrastructure facilities should be improved and adequate support from library staff in searching the information. The libraries should provide the more digital information resources, latest information and services based on the requirements of the users and make optimum use of these resources efficiently and effectively for their teaching, updates in subject related information and Research and Development activities. **BolanleBadiratAshiru et al. (2022)** Academic libraries need to imbue more in the training program and provision of more e-resources to meet the information of all users. They should as a matter of policy enforce library orientation programs to its users for effective utilization of library resources. **AzeezAdebamgbola Adeoye et al . (2022)** the librarian needs to be commended as the majority of

users rarely lack information literacy skills as a challenge to use of Electronic Information Resources. Finally, the library management should continuously increase awareness of Electronic information resources through regular user education to increase access and use among students and faculty members; and by all means reduce all challenges towards the use of the Electronic information resources in their libraries.

**Research Methodology**

This study is conducted using a total number of 155 Faculty Members and received 155 respondents. The present study demonstrates the various aspects of the purpose of visiting the library, awareness of use of traditional library services, availability of infrastructure facilities to support of using the library activities identifies the frequency of using electronic resources, awareness of electronic resources, preferable usage of e-resources, reason of preferring e resources, problem faced while using e-resources and know to satisfaction level of the students.

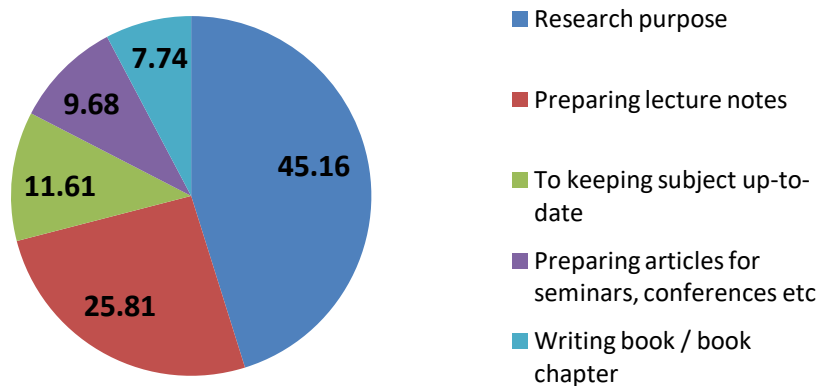
**Results and Discussion**

**Table-1 PURPOSE OF VISITING THE LIBRARY**

S.No	Purpose	Respondents	%
1	Research purpose	70	45.16
2	Preparing lecture notes	40	25.81
3	To keeping subject up-to-date	18	11.61
4	Preparing articles for seminars, conferences etc	15	9.68
5	Writing book / book chapter	12	7.74
	<b>Total</b>	<b>155</b>	<b>100</b>

Table1 shows that Faculty members visit the library with the reason of research work 45.16%, , preparing lecture notes 25.81% and keeping subject up-to-date 11.61%.

**Chart-1 PURPOSE OF VISITING THE LIBRARY**



**Table-2 TIME SPENT AT LIBRARY**

S.No	Time	Respondents	%
1	Below 30 minutes	15	9.68
2	30 minutes to 1 Hour	40	25.81
3	1 Hour to 2 Hours	48	30.97

4	2 Hours to 3 Hours	41	26.45
5	Above 3 Hours	11	7.09
	Total	155	100

Table 2 shows that 30.97% of Faculty members 1-2 hours' time spent during in the library. The 2 to 3 hours time spent by 26.45% of faculty members.

Chart-2 TIME SPENT AT LIBRARY

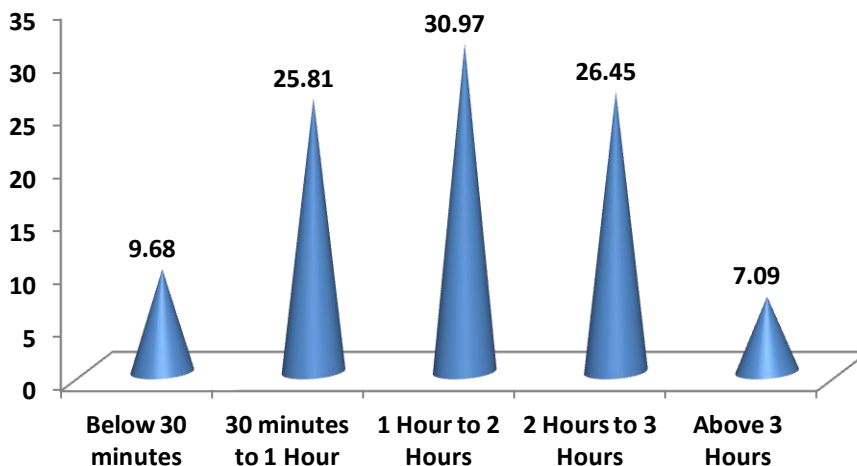
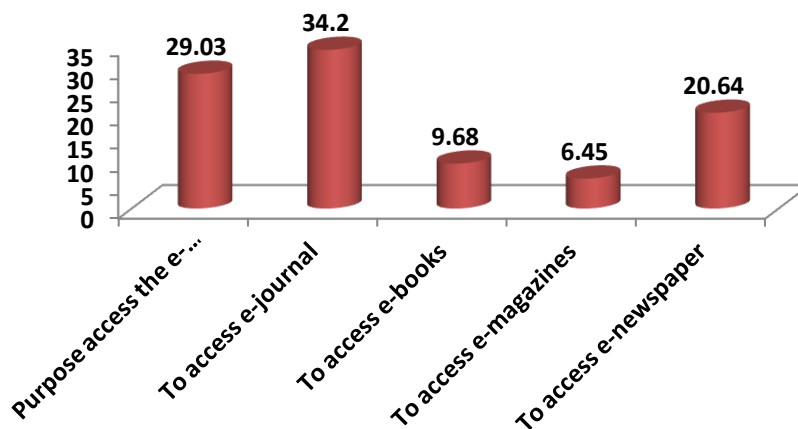


Table-3 PURPOSE OF USING E RESOURCES

S.No	Purpose access the e-resources	Respondents	%
1	To access e-journal	45	29.03
2	To access e-books	53	34.20
3	To access e-magazines	15	9.68
4	To access e-newspaper	10	6.45
5	To update subject knowledge	32	20.64
	Total	155	100

Table 3 shows that 34.20% faculty members are using the internet for accessing the e-books and 29.03% faculty members are using e-journal when they are visiting the Library.

Chart-3 PURPOSE OF USING E RESOURCES

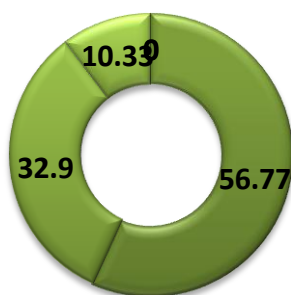


**Table-4 QUALITY OF E –RESOURCE**

S.No	Quality of e resources	Rank	%
1	Very good	88	56.77
2	Good	51	32.90
3	Acceptable	16	10.33
4	Poor	0	0
5	Very Poor	0	0
Total		155	100

Table 4 shows that, faculty members are ranked the quality resources. 56.77% of peoples are ranked very well, and 32.90% of faculty members ranked good.

**Chart-4 QUALITY OF E –RESOURCE**

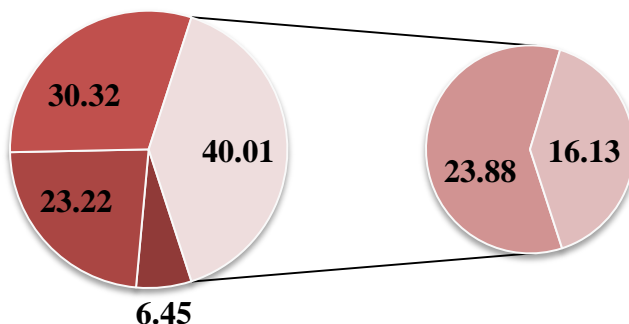


**Table – 5 HOURS SPENT PER DAY FOR ACCESSING E-RESOURCES**

S.No	Hours spent per day for accessing e-resources	Respondents	%
1	Below 30 minutes	10	6.45
2	30 minutes to 1 Hour	36	23.22
3	1 Hour to 2 Hours	47	30.32
4	2 Hours to 3 Hours	37	23.88
5	Above 3 Hours	25	16.13
Total		155	100

Table 5 shows that 30.32% faculty members are 1 Hour to 2 Hours spent time of using resources and 23.33% 30 minutes to 1 Hour.

**Chart-5 HOURS SPENT PER DAY FOR ACCESSING E-RESOURCES**

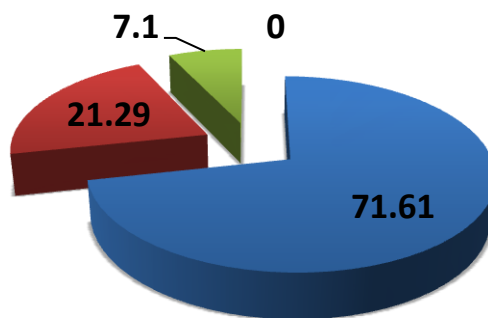


**Table – 6 USE OF E – RESOURCES**  
**Z**

S.No	Use of e-resources	Respondents	%
1	Very Useful	111	71.61
2	Useful	33	21.29
3	Neutral	11	7.10
4	Poor	0	0
	Total	155	100

Table 6 shows that, maximum faculty members are ranked by the above mentioned parameters. (71.61) experienced very useful and 21.29.% useful.

**Chart-6 USE OF E – RESOURCES**

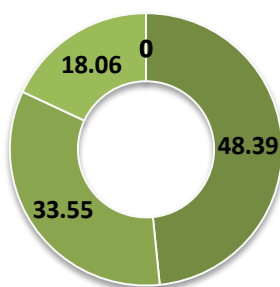


**Table – 7 LEVEL OF SATISFACTION OF E- RESOURCES**

S.No	Level of satisfaction of e- resources	Rank	%
1	Highly Satisfied	75	48.39
2	Satisfied	52	33.55
3	Neutral	28	18.06
4	Dissatisfied	0	0
5	Highly Satisfied	0	0
	Total	155	100

Table 7 shows that, level of satisfaction of using e-resources. Based on that, 48.39 % of peoples are highly satisfied with e-resources.

**Chart-7 LEVEL OF SATISFACTION OF E- RESOURCES**



The major findings are as follows

- ✓ Faculty members are visiting the library with the reason of research work 45.16%.
- ✓ 30.97% of faculty members spending 1 to 2 hours during each visit of the library.
- ✓ 34.20% faculty members using e-resource for referring e-books.
- ✓ 56.77% of faculty members are saying very well for quality of e-resources
- ✓ 30.32% of faculty members spending 1 to 2 hours for accessing e-resources..
- ✓ 48.39% of faculty members are highly satisfied with e-resources
- ✓ .

### **Conclusion**

The faculty members are fully satisfied with the e-resources rendered by the library. They are also satisfied with the attitude of library staff members, and infrastructural facility. Faculty members have suggested purchasing the adequate competitive examinations books like Civil Service Examinations, TNPSC Examinations. IBPS, TRB, SSC Examinations other competitive examinations. Also they recommended general books like novels, skill development, motivation books etc. Additional Computer Systems needed for the Digital Library and Separate Research room for the Faculty members. IEEE, J-GATE, DELNET E- Journals already subscribed by the Institution additional that Computer Science Journal Packages which was mentioned the Scopus, UGC Care Journals subscription recommended. Then the faculty members are suggested to allocate separate audio and video room for accessing the NPTEL videos.

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