

Availability Of E-Resource and Services In Theni Medical College Library, Theni, Tamil Nadu, India

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Abstract

The present study explores the resources in Theni Medical College Library, including e-resources, as well as the availability of e-resources in the Theni Medical College Library, Tamil Nadu, India. It is a modest step forward in the study of the need and importance of e-resources in the current information explosion situation. This paper also takes account of developing the Collection of Library E-Resources and the E-Resources in Library Services to the user community about the e-resources available.

Keyword: Availability of E-Resources, Electronic Resources, E-Resources in Library Services

Introduction

The first phase of this millennium vouched for increasing competition to offer new digital information services to millions of users.[1] The electronic media has provided countless opportunities to make access to information faster and faster worldwide. In recent years, libraries are experiencing massive transformation, both in the growth of its collection and in their service structures. Libraries are now using technology to improve information management and to provide quick access to educational information.

E-Resources

Electronic Resources are increasingly important to all aspects and levels of education and research. They grew unprecedented with the arrival of the World Wide Web and become the focus of research and academic work of the institution in recent years.[2,3] Such electronic resources provide fast and comprehensive information for the user. E-resources are an increasingly significant component of library collection-building activities.

E-resources face a number of challenges not experienced when selecting and obtaining conventional analog materials, and it is recommended that the library develop specific policies and processes for selecting and handling these resources (Johnson et al., 2012). E-resources are currently available in different kinds of online and offline platforms. These channels help the users to identify, locate and share the desired piece of information.

Definition of E-Resources

Electronic resources (or e-resources) are materials in digital format accessible electronically. Examples of e-resources are electronic journals (e-journal), electronic books

(e-book) online databases in varied digital formats, Adobe Acrobat documents (.pdf), web pages.[4,5]

Theni Medical College, Theni in an Overview

Government Theni Medical College is situated in Theni in Tamil Nadu state of India. Established in 2004, it is accredited from Medical Council of India and it is affiliated to Tamil Nadu Dr. M.G.R. Medical University. Government Theni Medical College, Theni offers two courses across two streams namely Medical, Dental and across Two degrees like MBBS, BDS. Government Theni Medical College campus is spread over 32603 Acres. Hostel facility is not available for its students. Additional campus facilities such as Auditorium, Canteen, Computer Lab, Girls Hostel, Mess, Library, Medical Facilities, Room, Sports, and Cafeteria are also there[6].

Methodology

Research design is a plan for answering a research questions. But, a research methodology is an approach used to implement the plan. Research design and methodology are separate but closely linked; because a successful research design guarantees to answer a research question more effectively with the help of the data collected. The present research is descriptive and analytical in nature, and therefore the survey approach is used to collect primary data from students of Theni Medical College Library users.

Objectives

- ✓ Institutional Information of the Student Members
- ✓ General Information for the Student Members
- ✓ Availability and Awareness of the Online Medical Databases
- ✓ Collection of E-Resources in the Theni Medical College Library
- ✓ Availability of E-Resource and Services in Theni Medical College Library

Analysis

Table –1: Institutional Information of the Student Members

Institution	Distributed	Respondents	Percentage
Theni Medical College	200	195	97.50

There are 200 structured questionnaires have been distributed Government Theni Medical College Theni in Tamil Nadu state, questionnaires have been randomly distributed to the Undergraduate Student Members. Of which, there are 195 questionnaires were completely filled from the Student Members, the response rate is 97.50 percent.

Table –2: General Information for the Student Members

S.No	General Information		Respondents	Percentage
1.	Age wise	18 to 20	74	37.95
		21 to 30	89	45.64
		Above 30	32	16.41
Total			195	100.00
2.	Gender wise	Male	102	52.31
		Female	93	47.69
		Total		

Age wise

It is evident from the above table, out of 195 student respondents, there are 89 (45.64 percent) student respondents belong in to the age group of 18 to 20 years. Followed by 74 (37.95 percent) student respondents are in the age group of 21 to 30 years and 32 (16.41 percent) student respondents are in the age group of above 30 years. It is inferred that majority (45.64 percent) of the respondents are in young medical students.

Gender wise

It is found from the above table, out of the total 195 respondents, there are 102 (52.31 percent) female student respondents and 93 (47.69 percent) respondents are in male students. The table clearly indicated that more than fifty two of the female student respondents contibut the servey of the study.

Table – 3: Availability and Awareness of the Online Medical Databases

S. No	Online Medical Databases	Students			
		Yes	%	No	%
1.	ClinicalKey	192	98.46	3	1.54
2.	Pub Med	190	97.44	5	2.56
3.	Proquest	189	96.92	6	3.08
4.	MedInd	169	86.67	26	13.33
5.	Ovid	167	85.64	28	14.36
6.	ERMED Consortium	156	80.00	39	20.00
7.	Medline Plus	154	78.97	41	21.03
8.	TRIP Database	152	77.95	43	22.05
9.	Spirs Medline	141	72.31	54	27.69
10.	GP Med	139	71.28	56	28.72
11.	Psyco Information	132	67.69	63	32.31
12.	CINHAL	121	62.05	74	37.95

13.	EMBASE	120	61.54	75	38.46
14.	Cochrane Collaboration	101	51.79	94	48.21
15.	SERFILE	100	51.28	95	48.72

Among the total Students, the majority of 192 (98.46 percent) students to availability and aware on ClinicalKey Online medical Databases, followed by 190 (97.44 percent) students to availability and aware on Pub Med Online medical Databases, 189 (96.92 percent) students to availability and aware on Proquest and very less number of students (51.28 percent) to availability and aware an SERFILE Online medical Databases.

Table – 4: Collection of E-Resources in the Theni Medical College Library

Five point likert scales on use of e-resource information were used to get the perception from surveyed students of Theni Medical College. The data depicted in the below table.

S.No	Collection of E-Resources	Classification	Respondents	Percentage
1.	Adequate Collection of E- Resources	Strongly Agree	78	40.00
		Agree	43	22.05
		Neither Agree or Disagree	20	10.26
		Disagree	36	18.46
		Strongly Disagree	18	9.23
Total				100.00
2.	Provides Required E-Resources	Strongly Agree	92	47.18
		Agree	37	18.97
		Neither Agree or Disagree	21	10.77
		Disagree	30	15.39
		Strongly Disagree	15	7.69
Total				100.00
3.	Considers requirements acquiring E-Resources	Strongly Agree	85	43.59
		Agree	46	23.59
		Neither Agree or Disagree	24	12.31
		Disagree	19	9.74
		Strongly Disagree	21	10.77
Total				100.00

Adequate Collection of E- Resources

The above table serial number one revealed that the Library having adequate Collection of E- Resources available in the surveyed Theni Medical College library in Theni, Tamil Nadu. Among the total respondents, there are 78 (40.00 percent) respondents strongly agree with the available adequate collection of e-resources, followed by 43 (22.05 percent) respondents agree with the available adequate collection of e-resources, 20 (10.26 percent) respondents neither agree or disagree with the available adequate collection of e-resources

and 36 (18.46 percent) respondents strongly disagree with the available adequate collection of e-resources. It is evident from the analysis that above forty percent of the student respondents are strongly agree with the available adequate collection of e-resources.

Provides Required E-Resources

Among the total respondents, there are 92 (47.18 percent) respondents strongly agree to provides required E- Resources, followed by 37 (18.97 percent) respondents agree to provides required E- Resources, 21 (10.77 percent) respondents neither agree or disagree to provides required E- Resources, 30 (15.39 percent) respondents disagree to provides required E- Resources and 15 (7.69 percent) respondents strongly disagree to provides required E- Resources. It is inferred that most of the student respondents are strongly agree to provide required E- Resources in our pattern library.

Considers requirements acquiring E-Resources

The above table serial number three deals with the Library considers requirements acquiring E-Resources by the Respondents, out of the total 195 student respondents, there are 85 (43.59 percent) respondents strongly agree our college Library considers requirements acquiring E-Resources, 46 (23.59 percent) respondents agree our college Library considers requirements acquiring E-Resources and 24 (12.31 percent) respondents neither agree or disagree agree our college Library considers requirements acquiring E-Resources.

Table – 5: Availability of E-Resource and Services in Theni Medical College Library

S.No	Library Services	Classification	Respondents	Percentage
1.	Library Regularly Exhibits list of new E-Resources to the Respondents	Strongly Agree	99	50.77
		Agree	53	27.18
		Neither Agree or Disagree	21	10.77
		Disagree	10	5.13
		Strongly Disagree	12	6.15
Total				100.00
2.	Library Provides List of useful websites	Strongly Agree	81	41.54
		Agree	50	25.64
		Neither Agree or Disagree	34	17.44
		Disagree	11	5.64
		Strongly Disagree	19	9.74
Total				100.00
3.	Library provides training on E-Resources	Strongly Agree	94	48.21
		Agree	58	29.74
		Neither Agree or Disagree	20	10.26
		Disagree	12	6.15
		Strongly Disagree	11	5.64
Total				100.00
4.	Library Provides Regular E-Mail Alert Services	Strongly Agree	102	52.31
		Agree	36	18.46

		Neither Agree or Disagree	12	6.15
		Disagree	14	7.18
		Strongly Disagree	31	15.90
Total				100.00
5.	Available separate E-Resources Section	Strongly Agree	101	51.79
		Agree	39	20.00
		Neither Agree or Disagree	21	10.77
		Disagree	24	12.31
		Strongly Disagree	10	5.13
Total			195	100.00

Regularly Exhibits list of new E- Resources

The above table serial number one deals with the Library Regularly Exhibits list of new E- Resources to the Student Respondents in the surveyed Theni Medical College, there are 99 (50.77 percent) respondents strongly agree our Library Regularly Exhibits list of new E- Resources to the user community, followed by 53 (27.18 percent) respondents to agree our Library Regularly Exhibits list of new E- Resources to the user community, 21 (10.77 percent) respondents to neither agree or disagree our Library Regularly Exhibits list of new E- Resources to the user community, 10 (5.13 percent) respondents to disagree our Library Regularly Exhibits list of new E- Resources to the user community and 12 (6.15 percent) respondents to strongly disagree our Library Regularly Exhibits list of new E- Resources to the student user community.

Library Provides List of useful websites

The above table serial number two revealed that the Library provides list of useful websites by the students respondents in surveyed medical college library. Among the total respondents, there are 81 (41.54 percent) respondents strongly agree to our Library provides list of useful websites, followed by 50 (25.64 percent) respondents agree to our college Library provides list of useful websites, 34 (17.44 percent) respondents neither agree or disagree to our college Library provides list of useful websites, 11 (5.64 percent) respondents disagree to our college Library provides list of useful websites and 19 (9.74 percent) student respondents strongly disagree to our college Library provides list of useful websites. From various website, required a tremendous amount of data [7-13]

Library provides training on E-Resources

The above table serial number three revealed that the Library provides training on E-Resources to the student Respondents. Among the total respondents, there are 94 (48.21 percent) respondents strongly agree to our Library provides training on E-Resources, followed by 58 (29.74 percent) respondents agree to our Library provides training on E-Resources, 20 (10.26 percent) respondents neither agree or disagree to our Library provides training on E-Resources, 12 (6.15 percent) respondents disagree to our Library provides training on E-Resources and 11 (5.64 percent) respondents strongly disagree to our Library provides training on E-Resources at that beginning time of student members and needed basis for faculty members. Various researches have been analyzed and several training operations have been applied by using different journals [14-21].

Library Provides Regular E-Mail Alert Services

The above table serial number four deals with the Library provide regular E-Mail Alert Services to the student Respondents. Among the total respondents, there are 102 (52.31 percent) respondents strongly agree to our Library provides regular E-Mail Alert Services, followed by 36 (18.46 percent) respondents agree to our Library provides regular E-Mail Alert Services, 12 (6.15 percent) respondents neither agree or disagree to our Library provides regular E-Mail Alert Services, 14 (7.18 percent) respondents disagree to our Library provides regular E-Mail Alert Services. It is inferred that most of the student respondents are strongly agree to our Library provides regular E-Mail Alert Services.

Available separate E-Resources Section

The above table serial number five revealed that, the Library available separate E-Resources Section for the student Respondents, there are 101 (51.79 percent) respondents strongly agree in their college Library available separate E-Resources Section, followed by 39 (20.00 percent) respondents agree in their college Library available separate E-Resources Section, 21 (10.77 percent) respondents neither agree or disagree in their college Library available separate E-Resources Section, 24 (12.31 percent) respondents disagree in their college Library available separate E-Resources Section and 10 (5.13 percent) respondents strongly disagree in their college Library available separate E-Resources Section for the student users.

Conclusion

The surveyed Theni medical college environment revealed that students are visiting the respective library regularly, accessing medical e-resources and their perception on based library services, such as Online Public Access Catalogue, Email Alerts and Mobile Enabled Library Services need to be provided. The study also concluded that the perception of medical users on library staff as their approachable, helping, understanding the user needs and satisfy to the extent of acceptable level. The overall opinion on the library services and e-resources access facilities is good, but more than one third of the respondents felt that libraries need to further improvement in the surveyed environment.

Reference

- [1] Berzins, K., & Hudson, A. (2011). *The Use of E-resources: A snapshot of e-resource use among Linking London LLN partner institutions* (pp. 1–40). University of East London. http://www.bbk.ac.uk/linkinglondon/resources/esystems-downloads/report_January2011_The_Use_of_Eresources_among_Linking_London_partners_Continuum.pdf/view
- [2] Bintliff, B. (2005). Electronic Resources or Print Resources: Some Observations on Where to Search. *Perspectives Teaching Legal Research and Writing*, 14(1), 23–25. <https://info.legalsolutions.thomsonreuters.com/pdf/perspec/2005-fall/2005-fall-7.pdf>
- [3] Burnham, J. (2006). Scopus database: A review. *Biomedical Digital Libraries*, 3, 1. <https://doi.org/10.1186/1742-5581-3-1>.
- [4] <http://www.tmctheni.ac.in/tmctheni/>
- [5] <https://www.igi-global.com/dictionary/e-resources/49025>
- [6] Johnson, S., Sipe, L., & Zilper, N. (2012). *Key Issues for E-Resource Collection Development: A Guide for Libraries* (pp.1–32) IFLA.

- <https://www.ifla.org/files/assets/acquisition-collection-development/publications/electronic-resource-guide-en.pdf>.
- [7] Awadhesh Kumar Maurya, Varsha, Neeraj, Ajay Kumar, Neeraj Kumar, "Improved chain based cooperative routing protocol in wsn", FEST, Journal of Physics: Conference series, IOP Publishing, 1478,1-8, 13/05/2020.(Scopus).
- [8] Varsha, N. Kumar, Energy Efficient TABU Optimization Routing Protocol for WSN, Ingeniería Solidaria, Universidad Cooperativa de Colombia, Issue- 33, July 2020. (ESCI).
- [9] N. Kumar, A. Agrawal, R. A. Khan, "METHWORK: An Approach for Ranking in Research Trends with a Case Study for IoET, Recent advances in Computer Science and Communication (formerly Recent Patents on Computer Science), 2019 (Scopus).
- [10] G.Arora, A.Kumar, Varsha, N.Kumar, "Swarm Intelligence based QoS optimized routing in WSN", Test Engineering & Management, Vol.-82, 2020. pp-12880-12885. (Scopus).
- [11] Varsha, M. B., Kumar, M., & Kumar, N. Hybrid TABU-GA Search For Energy Efficient Routing In WSN. International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4, November 2019. P.-3250-3256, (Scopus).
- [12] Varsha, M. B., Kumar, M., & Kumar, N. Development of QoS optimized routing using Artificial bee colony and TABU-GA with a mobile base station in Wireless Sensor Network, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-1, November 2019. (Scopus).
- [13] Deepshikha, priyanka and varsha "Enhanced NN based RZ leach using hybrid ACO/PSO based routing for WSNs", 8th International conference on computing, communication and networking technologies , (ICCCNT), 2017,IEEE.
- [14] Nidhi Bhatia, ManjuBala and Varsha, "A Review on QoS based Strategy in heterogeneous WSN", International Journal for Scientific Research and Development (IJSRD), Volume 5 Issue 1, March2017, E-ISSN :2321-0613.
- [15] Nidhi Bhatia, ManjuBala and Varsha, "Cluster Head Selection using QoS strategy in WSN", International Interdisciplinary conference on Science, Technology, Engineering, Management , Pharmacy and Humanities (IIC-STEMPH-17)
- [16] Nidhi Bhatia, ManjuBala and Varsha, "A Comparative Analysis of BEENISH and EBEENISH in WSN", International Journal of Computer Trends and Technologies (IJCTT), Volume 45 number 2, March 2017, E-ISSN: 2231-2803.
- [17] HarmeetSaini and Varsha, "Region Growing Segmentation using De-noising Algorithm for Medical Ultrasound. In Computational Intelligence & Communication Technology (CICT), 2017IEEE International Conference.
- [18] HarmeetSaini, ManjuBala and Varsha, "A Proposed Method for Medical Ultrasound Image Enhancement by Utilizing Region Growing Segmentation and De-noising Algorithms", in International Conference on Telecommunication Power Analysis and Computing Techniques(ICTPACT-2017), IEEE
- [19] HarmeetSaini, ManjuBala and Varsha, "Review of Region Growing and Image Segmentation Techniques", International Interdisciplinary Conference on Science, Technology, Engineering, Management, Pharmacy and Humanities (IIC-STEMPH'17).
- [20] HarmeetSaini, ManjuBala and Varsha, "Region Growing Segmentation by utilizing De-noising Algorithm for Medical Ultra-sonographic Images", International Journal

of Engineering and Computing (IJESC), Volume 7 Issue 4, April 2017, e ISSN-2321 - 3361.

- [21] Inderjeet Singh, Pooja, Varsha, "Neural Network based LEACH Clustering Algorithm in WSN", International Journal of Computer Science and Network (IJCSN). Volume 6, Issue 1, February 2017, PP 49-54, ISSN (Online) : 2277-5420.