

Obstacles of Using Digital Information Resources Stored in (CDs) in the Library by Faculty Members of Al-Hussein Bin Talal University

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Abstract

This study aimed to find out the obstacles of using digital information resources stored on (CDs) in the library by members of faculty of Al-Hussein Bin Talal University. The study used a descriptive survey method, with a sample consisted of 62 individual, (20%) of the original community, and a questionnaire consisted of two parts: the first, which included demographic data for the respondents, the second consisted of three domains:

1- the obstacles of using digital information resources stored on (CDs) related to the members of the faculty.

2- the obstacles of using digital information resources stored on (CDs) related to the library and its staff.

3- The obstacles of using digital information resources stored on (CDs) related to digital information resources stored on the (CDs). This study showed that the majority of respondents prefer to use electronic resources of information available on the internet. There is also a weakness in the important services provided by the library to the researchers, In addition to the inaccuracy in organizing of the (CDs). The study recommended: the need to regulate resources of digital information stored on (CDs) accurately, preparing equipped and dedicated hall for (CDs), increasing the awareness of the importance and use of (CDs) by making training courses for users, and providing the modern information services.

Keywords: Digital Information, Information Resources, CDs , University Libraries, Al-Hussein Bin Talal University, faculty members

Introduction

In the current era, era of intellectual explosion and revolution in information and communication, the world has witnessed huge changes, successive developments, and large shifts in all areas of life. Information and technology have contributed strongly in this area which has been marked by high-speed developments in information technology, telecommunications, multimedia, networks, and the emergence of intelligent systems. Information institutions invested many of these techniques and theories in its achievements and services to raise the efficiency of its business, resources management, and problem-solving and decision-support ⁽¹⁾.

Resources of information were numerous at the present time and varied. Traditional resources of information printed and audiovisual are no longer prevail in libraries of university. The resources of digital information become the alternative clearly.

Electronic Resource are: " Material consisting of data and/or computer program(s) encoded for reading and manipulation by a computer, by the use of a peripheral device directly connected to the computer, such as a CD-ROM drive, or remotely via a network, such as the Internet (AACR2). The category includes software applications, electronic texts, bibliographic databases, institutional repositories, Web sites, e-books, collections of e-journals, etc. Electronic resources not publicly available free of charge usually require licensing and authentication"⁽²⁾.

Problem of the Study

Because of the importance of the digital information resources stored on (CDs), university libraries began to acquire this kind of information resources. Due to (CDs) include important and modern information, the faculty members are the most categories of beneficiaries need to Information to set up their research and scientific requirements, and for the purposes of teaching. Because of the reluctance of the use of this type of digital information sources in Al-Hussein Bin Talal University library by faculty members, researchers felt the need to study this problem and to find out the obstacles of using digital information resources stored on (CDs), then try to find appropriate solutions and give necessary recommendations to solve this problem.

Objectives of the study

This study seeks to achieve the following objectives:

First, identify the resources of digital information stored on (CDs) that available in Al- Hussein Bin Talal University Library in terms of numbers and subjects.

Second, identify the obstacles of using digital information resources stored on (CDs) by faculty members, through the identification of:

1. Obstacles related to faculty members.
2. Obstacles related to the library and its staff.

3. Obstacles related to the resources of information stored on (CDs).
Third: propose the necessary solutions to resolve the problem through number of recommendations.

Study methodology

This study used survey method which is a kind of the descriptive studies, and is suitable for this kind of studies. The study contains a description of the state of digital information stored on (CDs) available in the university library, and a description of their searcher views of the obstacles of using digital information resources stored on (CDs).

Importance of the study

This study deals with a recent subject which is the digital information resources exist in Al-Hussein Bin Talal University Library, which is the main source that provides researchers and students in various resources of information. The study will be useful to library's Manager in developing strategies and methods that designed to eliminate obstacles and reasons that prevent faculty members to take advantage of the resources stored on (CDs). In addition to enriching the published literature studies about the obstacles of using this type of resources by the beneficiaries, especially since there are few studies on such a subject.

Limits and Study Area

- 1- Spatial boundaries: This study was limited to faculty members at Al-Hussein Bin Talal University, and resources of digital information stored on (CDs) in the library of the university.
- 2- Border temporal: This study was implemented in the second semester of the year (2014- 2015).

Study sample: this study relied on proportional stratified sample, in which the study population were divided into two groups (faculty members in scientific colleges and faculty members in humanities colleges) and then distributed the questionnaires to (20%) of each group, the total number sixty-two (62) faculty members.

Table (1): The distribution of the study sample according to scientific degree:

Degree	Numbers	Percentage
Lecturer	10	0.16
Master	12	0.19
Assistant Professor	22	0.35
Associate Professor	16	0.26
Professor	2	0.03
Total	62	1

Table(1) shows that the sample of Degree assistant professor were more than other grades by (0.35).

Data collection tools:

1. Questionnaires were distributed to the faculty members at the Al-Hussein Bin Talal University.
2. Individual interviews for manager of digital information stored on (CDs).
3. Repeated visits and observations for the library site.
4. Statistical Package for the Social Sciences (SPSS) to analyze the results of the study.

Literature review:

In his study (Ogunsola, 2004) attempts to determine the importance and the problems of CD-ROM technology for the development of library services in Nigeria. He explained that CD-ROM technology is more convenient to Nigeria because of harsh environment. CD-ROM is found to be a more efficient medium of storage for publishing large amount of information and CDs are relatively easy to use; compared to the online industry that has problems in its own software. The study found that there are some disadvantages of CD-ROM, such as: for using the information on the disc there should be a micro computer, and a CD-ROM reader in the location, the CD-ROM reader itself has limitations and one of these limitations is only one user at a time can access information on the disc. Another disadvantage is the initial high cost of installation. The study suggested that the government and other relevant agencies such as the National Universities Commission to organize seminars and workshops on CD-ROM applications for Nigerian libraries, and that there is a need to encourage users in Nigerian University Libraries to avail themselves of CD-ROM services, They should produce brochures for their users that describe the CD-ROM products located in their libraries and their ability to research.

(Majid, 1998): This study is descriptive study that aims to investigate the CD-ROM service management in academic libraries in Malaysia and promote its marketing strategies, study revealed that these libraries use a variety of marketing and promotion methods. Malaysian academic libraries need to promote education program for end-users, and to promote computing and information retrieval skills. This study uses a survey method conducted on nine academic libraries in Malaysia. This study suggests several measures to promote the use of CD-

ROM service in the Malaysian academic libraries, such as: All libraries should evaluate their CD-ROM service to assess its popularity, the effectiveness of various promotional activities, users satisfaction with the CD-ROM collection, Special efforts should be made for revealing the benefits of using electronic information sources to faculty members in preparing their lectures, conducting research, assigning and supervising student projects.

In his study entitled “Use of Electronic Information Sources by Postgraduate Students in Nigeria: Influencing Factors” (Okiki,2011) studied the use of Electronic Information Sources (EIS)by postgraduate students in Nigeria. He focused on the factors which encourage students to use EIC, and difficulties that limits students use of the EIS. The study was conducted in six Nigerian Universities. The study concluded that male use EIS more than female in percentage (53.82) for male to (46.16) for female. The study also found found that Master’s degree students makes the largest proportion compared with M.phil and Ph.D students. The percentage was (49.93 %) for Masters , (13.58%)for M.phils and (11.20) for Ph.Ds. the study shows that the main element for using EIS is the need to conduct research.

(Oduwole,2000) studied the use of CD-ROM databases in Nigerian academic libraries. The researcher dissect the influence of CD-ROM databases on academic libraries in Nigeria. Data was collected from ten academic libraries by a questionnaire. The study reached to several conclusions. The most important were : the effect of the continuing rise in database subscription cost, lack of computer headwear and computer specialists.

(yan&Gorman,2006) studied CD-ROM as an information sources in acquisition operations. They exposed the results of a survey conducted in Hong Kong covered six academic libraries . the study explained the main goals of the survey and the results reached.

In a study focused on CD-ROM end users, (Culbertson,1992) analyzed the using of science and engineering database CD-ROM. The study was conducted that CD-ROM using directions must be have a great importance.

(yan&Gorman,2006) studied CD-ROM as an information sources in acquisition operations. The researchers explained and displayedthe findings of the survey conducted in Australia which covered Twenty academic libraries .

Digital information stored on (CDs) in the Library

Library of Al-Hussein Bin Talal University was founded in (2005) with the establishment of the university, and provides services to the university community, containing more than 53,000 library materials, Library offers advanced services such as search in global databases that the library shared⁽³⁾.The library contains (1349) (CDs) has been distributed by subject as follows:

Table (2): Numbers of (CDs) distributed by subject according to Dewey Decimal Classification System.

Subject	Numbers in Arabic	Numbers in foreign languages	Total
Generalities	102	278	380
Philosophy and Psychology	3	0	3
Religions	3	0	3
Sociology and Social Sciences	61	25	86
Languages	11	212	223
Natural Sciences	30	224	254
Applied Science	39	325	364
Arts and Recreation	5	18	23
Literature	0	6	6
History and Geography	8	0	8
The total	262	1088	1350

Table(2)shows that the library contains resources of digital information stored on (CDs) of all the topics of knowledge in Arabic and English languages, It is noted that numbers of CD sin English language are more than Arabic ones, and General knowledge and applied science are more than the other topics.

Results of the study:

1. Results for answers of the first question: Obstacles relating to faculty members.

Table (3): the arithmetic mean, the degree of approval and the Ranking of statements related to the first question.

Number	statement	Arithmetic mean	The degree of approval	Ranking
1	I do not know the availability of resources of digital information stored on a CDs in the library of University	3.58	Agree	2
2	Lack of time I have to go to the library	3.48	Agree	3
3	The use of resources of digital information stored on the (CDs) requires high technical skills.	2.42	disagree	4
4	I prefer to use electronic resources of information available on the Internet	4.39	Strongly Agree	1

The previous table shows that the averages for approval ranged between values (2.42-4.39), where statement (4) (I prefer to use electronic resources of information available on the internet) got the highest average with value (4.39), that is a Strongly Agree degree approval, this may be for the quick and easy access to information where not requiring going to the library. While statement (3) (The use of resources of digital information stored on the (CDs) requires high technical skill got the least average with value (2.42) with disagree degree of approval, which indicates that there is no difficulty in using (CDs) by the faculty members.

2. Results for the second question: Obstacles related to the library and its staff.

Table (4): The arithmetic mean, the degree of approval and the Ranking of statements related to the second question

Number	Statement	Arithmetic mean	The degree of approval	Ranking
1	Library does not lent CDs containing digital information to the researchers.	3.39	unsure	4
2	Library services provided by the library to the resources are not developed and weak.	3.42	Agree	3
3	Library does not train researchers to use resources of digital information stored on CDs	3.48	Agree	2
4	Library does not advertise digital information resources stored on CDs to researchers	3.84	Agree	1
5	Library Time does not allow to take advantage of digital information resources in the library.	3.03	Unsure	7
6	lack of computers and accessories in CDs room	3.29	Unsure	6
7	Specialists does not provide adequate assistance to researchers on the digital information stored on CDs During the preparation of research	3.39	Unsure	5

Table (4) shows averages of the approval, which ranged between values (3.03-3.84), where statement (4) got the highest average value (3.84) with a large degree of approval, which indicates that there is a part of responsibility falls on the library and that there is a weakness in the services of selective dissemination and current awareness of information, and statement (5) got the lowest average with value (3.03) and unsure approval, since the Library Time is six hours a day, and the answers of other statements indicate that there is a weakness in library services provided by the library.

3. Results related to the third question: Obstacles related to the digital information resources that stored on CDs.

Table (5) shows the arithmetic mean and the degree of approval and ranking of the statements relating to the third question.

Number	Statement	Arithmetic mean	The degree of approval	Ranking
1	Resources of digital information stored on CDs need special software for loading or displaying texts	3.35	Unsure	2
2	searching for information is difficult because of the lack of accuracy of cataloging	3.16	Unsure	3
3	Digital information resources stored on CDs are not modern and sophisticated	3.39	Unsure	1
4	Digital information sources provided by the library do not meet my needs and scientific research.	3.03	Unsure	4

Table (5) shows that averages ranged between values (3.03 -3.39) all of which are Unsure approval, where statement (3) got the highest average with value (3.39), while statement (4) got the lowest average with value (3.03).

Results and Recommendations:

Obstacles of using digital information resources stored on (CDs) in the library by faculty members of Al-Hussein Bin Talal University are:

First, Obstacles related to the members of teaching staff, namely: The desire of using electronic information resources available on the internet, Lack of knowledge of the availability of resources of digital information stored on CDs in the library of the University, Or lack of time has to go to the library and taking benefit of them.

Second, Obstacles related to the library and its staff, namely: weakness of services provided by the library such as selective dissemination of information and current awareness of information, Lack of training for researchers to use the library, The short library times compared with the other Jordanian universities, In addition to the lack of assistance provided by the specialists of information for researchers to use resources of digital information stored on CDs in the library of the university, also the lack of computers in CDs room.

Third, Obstacles related to resources of digital information stored on CDs: represented by the lack of updated and developed and not well organized, thus its inability to meet needs of researchers.

In view of the results that have been reached, the study concluded a set of recommendations, as follows:

1. The need for increasing attention to resources of digital information stored on (CDs) in terms of acquisition of what is appropriate to the needs of the faculty members from resources of recent information, that are closely related to majors and academic programs available in the university.
2. Organizing of digital information resources stored on (CDs) accurately, by conducting objective analysis, cataloging, classification, indexing, abstracts, and bibliography of these resources.
3. the need to provide adequate support to the library to enable it to provide customized hall of this (CDs), with full necessary equipments, such as modern computers and equipped tables and chairs, in addition to providing information specialists, to serve the community and help the beneficiaries.
4. Increase the awareness of the community of beneficiaries, especially faculty member show to use these resources and its importance in preparing researches, and inform them of all that is new for them by preparing training courses, and distributing brochures and manuals.
5. provide modern information services for beneficiaries, such as Circulating (CDs), Current Awareness and selective dissemination for information Services in addition to information retrieval services, which leads to encourage faculty members to use resources of digital information stored on (CDs).

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