Academic Dissertations Electronic Archiving and Scientific Plagiarism

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Abstract

This paper aim to illustrate the relation between academic dissertation electronic archiving and scientific plagiarism. This paper, identify electronic archiving and the concept of academic dissertations electronic archiving alongside with academic dissertation characteristics and how can we benefit from electronic archiving in academic organizations and identify scientific plagiarism and how to detect it in academic dissertations and scientific papers. At the end, this paper concluded a number of recommendations to enhance and improve electronic archiving of academic dissertation in universities.
المستخلص

تهدف هذه الورقة لكيفية الأرشيف الإلكترونية للرسائل الجامعية وظاهرة الإنتقاد العلمي
باعتبارها إحدى وأهم مصادر المعلومات لدى مؤسسات المعلومات والمكتبات وظاهرة الإنتقاد العلمي.

ستعرف في هذه الورقة على الأرشيف الإلكترونية ومفهوم الأرشيف الإلكترونية للرسائل
الجامعية ومميزات الرسائل لجامعية و مزايا الأرشيف الإلكترونية للرسائل الجامعية ودوافع تطبيق
الأرشيف الإلكترونية للرسائل الجامعية بالجامعات بالإضافة إلي التعرف علي ظاهرة الإنتقاد العلمي وطرق الكشف عن الإنتقاد في الرسائل الجامعية والبحوث العلمية. في الختام خلصت
الورقة إلى مجموعة من النتائج ساعدت علي زيادة تحسين وتدعم دور الأرشيف الإلكترونية
للرسائل الجامعية في الجامعات.

: Keywords

1. Introduction

Academic dissertations are one of the main information sources in academic organizations, despite the importance of academic dissertation importance and its role in scientific research; there are many obstacles in their way, such as that the academic dissertations are mostly not published like other information sources and hence not any researcher can obtain them (Copeland, Penman, Milne 2005). Moreover, many challenges. In order to save scientific efforts, money and time put in academic dissertations in various human knowledge areas; it’s very important to pay more attention to methods and ways to enhance academic dissertation reality in information organizations. so information organizations employed electronic archiving since information sources transformation is one of the most practices that needs to be applied and dealt with in a fast and orderly fashion to allow information usage to users in a broader concept (Padmavathi, 2005)

2. Electronic Archiving

Is the process of data and information storage in electronic device for a long term; this comes from the information and data importance security and retrieval when required.

The Arabic encyclopedia for computers, information and libraries defines electronic archiving as “the process of transforming and entering traditional files in different types of storage media such as laser discs and floppy disks to be stored for long terms and used as backup devices in case of original source is damaged or lost (Christine, 2006).
3. Academic Dissertation Electronic Archiving Concept

Information and libraries terminology dictionary available of direct line offer tow definitions on electronic allowance of academic dissertations; the first is digital thesis, defined as "Masters ad PhD dissertation that are created digitally and needed by universities in paper or microfilm format to be archived". The second definition is “university dissertations (Master and PhD) presented in digital form instead of paper and transformed digitally through scanning, 40 American universities in addition of 100 universities around the world are participating in digital library for academic dissertations” (Jamal, 2011).

Electronic archiving of academic dissertations is transforming paper academic dissertation into digital form through scanner or other equipment, which provides many ways for retrieval, review and distribution, either locally through networks or globally through internet around the world (Kristin, 2008).

4. Academic Dissertations Electronic Archiving Advantages

Academic dissertation electronic archiving has many advantages on university and users levels, these advantages are:

One: benefits to universities and university library, electronic academic dissertation is a mean of intellectual production distribution that provides higher education results available on a wide range, academic dissertations are considered a reflection to scientific research in academic community which reduce the space used by paper dissertations, reduce expenses on the long run, open new horizons of cooperation between universities through database connection to enhance resources and reduce expenses, reserving dissertation origins
from usage, keeping a backup copy in case of human and natural disasters and raising library performance alongside with new technologies.

Two: benefits to users be providing new and huge amount of information. saving search and retrieval times, electronic academic dissertation help make scientific research results faster and solve issues through studies which will lead to active and successful scientific research. Electronic publication of academic dissertation make research results available locally and globally which help in determining research groups locally and globally. Ease of communication amongst researchers; since electronic academic dissertations include e-mail and other contact info that will lead to cooperation and friendship among researchers to lead to cooperative researches. Electronic academic dissertation contain intellectual production reviews in the subject the researcher is interested in which will enrich student understanding of research cases. Electronic academic dissertation help in avoiding repetition of scientific efforts (Dillip, 2010).

5. Factors helped electronic archiving projects

There are many factors that encouraged information organizations to proceed in electronic archiving projects and digital transformation; some of these factors are (Silvia, 2006):

1. Internet and its huge potential and services, since internet provided another source to information with many websites that offer huge amount of information either full text or bibliographic and abstracts.

2. Technical advancements especially in computer, information
systems and communications, which encouraged information organizations to transform information sources, they own.

3. Realizing digital information importance and its need to be provided to users and dealing with information.

4. The appearance of many private and public information organizations that provide advanced information services.

5. The appearance of a group of challenges to libraries and information organizations; since the number of researchers and the raising demand on information alongside with the lack of professional employees lead to the a group of challenges against information organizations that needs to be handled. Information projects could solve those issues.

6. **Electronic archiving of academic dissertation motives**

   There are many motives behind electronic archiving academic dissertation in universities, such as: (Park, 2007)

   1. Scientific value of academic dissertations
   2. Ease of access and search and retrieval speed
   3. Saving old academic dissertation transcripts from usage damage
   4. Providing information to more users
   5. Providing advanced information services
   6. Raising scientific research level
   7. Keeping up with global advancement
   8. Saving physical storage areas
   9. Raising work levels
   10. Supporting Arabic digital content online
11. University level cooperation

7. Electronic archiving of academic dissertation goals

The goal behind academic dissertation electronic archiving is to provide important source of information that was unavailable traditionally, in addition prepare a new generation of scientists and researchers that are more effective in information age; also open new horizons of scientific contact presented in research and scientific cooperation between universities (NDLTD, 2015).

8. Scientific Plagiarism

Plagiarism is stealing others thoughts and it is a serious violation by university in any cases; students must take good care about this issue. Universities focus on information sources and spreading them among students based on student experience building them and to save time (Jones, 2009).

Plagiarism is adopting ideas, writings, or inventions of other person and acting as it was another person property without reference intentionally or accidentally. Stealing other people ideas or writings without reference is considered act of fraud. It is known that academic production based on ideas and research of others which is acceptable in case of acknowledgment, using others ideas, writings and inventions is not wrong in case of acknowledgement (Carrol, 2002). Plagiarism fault can be avoided simply by mentioning references used in research. Sometimes plagiarism go beyond references to copying complete research by the student or even the ideas and opinions in that research (Harris, 2001).
Merriam Webster dictionary define scientific plagiarism as “stealing and claiming others intellectual property, as in using what other produced if intellectual production as their own without referencing the original source” (Merriam, 2016).

Well Cornell university define scientific plagiarism as “using others words and thoughts as their own without referencing, the university add that scientific plagiarism is the most common form of academic dis integrity” (Cornell, 2016).

Maine university define scientific plagiarism as “presenting ideas, words, pictures and creative work as being the writers own without referencing original authors, adding that scientific plagiarism is a crime even if not intended to” (Maine, 2016).


1– Cloning: presenting other peoples work is its own

2– Copying: copying big parts of original source without referencing

3– Substitution: copying text block after changing main words while keeping original information without referencing.

4– Merging: merging parts of many sources without mentioning.

5– Repetition: merging text sources that are properly from other un-referenced sources.

10. Scientific plagiarism detection

Personal rights violation through scientific plagiarism resulted in many software providers to develop tools to detect scientific plagiarism such as:

1– Plagiarism.net: which is a program that audits text to prevent scientific plagiarism, and is considered an important tool for
students, teachers, researchers and professional writers. It’s compatible with windows, android, blackberry and internet, also it supports 190 language including Arabic. This program detects personal intellectual property violations, scientific papers, educational programs and research papers and supports google, yahoo, Babylon, google scholar and google books which contain huge amount of scientific articles, patents...etc.. This program takes minutes to check documents.

2– **IThenticate**: is one of the biggest websites specialized in scientific plagiarism detection online around the world, its used by researchers, authors, scientists and research centers to audit presented work originality before publication. This program depends on comparing the provided work with research work of 50 billion web pages and 130 content elements including published work of more than 40 million researches by 590 scientific researchers (iThenticate, 2016).

3– **Turn it in**: this is a pioneer in scientific plagiarism detection and it is used in evaluation process of grading and evaluation online; where you can compare the provided work with other 24 billion web pages and more than 300 million published papers. This program aim to enhance student writing by preventing plagiarism and in the same time provide enormous feedback. The program depends on searching faulty quotes in comparison with international database that has high accuracy rates.
11. Results

1. Electronic archiving is a new mechanism to save documents that increase efficiency and make copying easier, faster and less expensive in comparison with paper media, it can also automatically spread from place to place through internet. Archive saved for long times and provide immediate information to decision makers to aid them in their mission, save physical storage areas, simple and easy transporting documents between organization branches or outside the organization and ease of access disregarding user location.

2. Site can make managerial procedures of university easier and simpler in regard of university, college and department like lowering issues of subject repetition and provide students with chance to know the dissertations discussed.

3. Ease of access to all scientific conventions held in university and college and the published papers and academic dissertation approved in university.

4. Lowering information cost by lowering storage in departments of university colleges.

5. Electronic system enable student to follow up through website
6. Ease and rapid reporting which help in decision making

7. Reducing effort, time and cost

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