Digital Preservation

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ABSTRACT:

Digital preservation is stored in digital information. digital information like a business, scientific and cultural information. Digital preservation is defined as long-term and error-free storage of digital information with means for retrieve. Long term is defined long enough have to do with any changing technologies and including support data formats. Retrieval means digital information from them without the possibility of corrupting the continued storage of digital information. Digital information in originals information can be safe and secure. In digital preservation many techniques to use preserve digital assets. digital preservation is very useful of culture, language and history are recognized as the importance of future and current generations. The preservation of culture, language and history are recognized as being of importance for future and current generations. Digital preservation challenge, that the media on which digital contents are stored are more vulnerable to deterioration loss than some analog media.

KEYWORD:

Digital preservation, Document, long-term archiving, technique

INTRODUCTION

WHAT IS DIGITAL PRESERVATION?

Digital Preservation is the management of digital objects. files that contain information in digital form so they can be accessed and used by future users. digital preservation is a store of digital information. Digital preservation is not a single task but includes all strategies and measures taken to find and maintain access to digital information[3]. These strategies and measures are means secured to activities undertaken by information technology experts. Digital preservation is an important part of the formation and management of digital collections. In business, scientific and cultural information assets are created and accessed digitally within various types of organizations and across the public and private sectors[1]. Digital preservation is secure long term information. In digital preservation include texts, databases, moving images, audio, graphics, software, and web pages. Digital preservation knows how to be characterized as communicate with the future[1].

WHY IS DIGITAL PRESERVATION NECESSARY?

Digital preservation is very important issues faced by the digital world. It consists of software obsolete, storage medium, and storage medium obsolete among others. Digital preservation used in this technique make sure the data loss because of the obsolete hardware can be prevented at every cost. They become a part of the things required to be preserved. A challenge is present by a great quantity of digital media.

APPLICATION AREAS OF DIGITAL PRESERVATION

Email preservation: Email software varies widely. In email no common structure for email messages. Email can communicate sensitive information. personal email accounts may business and personal messages intermingled and email may include attached documents in a variety of file format. Email messages can also viruses or spam[1].

Moving Image preservation: Image preservation analog film and video and their born-digital forms in digital video, digital picture materials, and digital cinema[1].

Technology Preservation: Technological preservation is based on keeping and maintaining the technical environment that is used for the creation of contents including operating systems, original application software.

DIGITAL PRESERVATION TECHNIQUES

Digital preservation Techniques for the include technology preservation, information migration, and encapsulation. Digital preservation in-store resources in CD-ROM and DVD and can represent binary bits. digital preservation process integrity of the digital information[3].It is a technological environment rather than on the digital object.

WHAT IS DIGITAL PRESERVATION ARCHIVING

Archives are essential for logging and verifying business practices, and archives have been in use for thousands of years. However, the archive can grow large and unwieldy over time, and it can be difficult to recall information in certain types of archives[4]. Since the middle of the 20th century, however, archiving has been changing as the advent of digital archiving has made the process simpler for those who wish to store information for the long term. Here are a few facts about digital archiving and why it can be useful for business[5].

DIMENSIONS OF DIGITAL PRESERVATION

Long term digital preservation

Medium-term digital preservation

Short term digital preservation[6]

TWO TYPES OF DOCUMENTS:

Digital preservation in two types of documents.

1.digital documents

2. digitally created documents

Born digital documents: This is referred to as tothose materials that were initially created using some form of digital technology. example: Electronic Records.

Digitally created documents: This is referred to those materials which have been transforming from analog to digital form. Example: scanning the document or objects.

LITERATURE REVIEW:

in 2012,

Ross has opined that digital preservation is valuable and important source.digital prevervation is useful and important benefit of the coming generations[7].

In 2005

Rosenthal Baker and Maniatis in peer to peer digital preservation system.digital preservation in rare document should be digitally preserv so that is prevent them form damage and help of latest technique keep them original form[8].

In 2009

Arora ,digital preservation and digitization are same ways.digital preservation main goal is preserve document and user can get easy access.main goal of digital preservation may subscribe and service of rare document[9].

Digital Preservation is Achieve of digital information. Business, scientific and cultural information is can be stored digitally. Digital preservation techniques securing long-term access to digital information. Digital preservation document an organization to preserve digital information for future use. Digital preservation in materials include texts, databases, still and moving images, audio, graphics, software, and web pages, among a wide and growing range of formats. Digital preservation knows how to be in communication with the future[5,6]. Digital preservation can be seen as a set of processes and activities. That ensures continued access to information and all kinds of records, scientific and cultural heritage existing in digital formats.

CONCLUSION

Digital preservation is such inception. Digital preservation policies are not well developed in many institutions. Digital preservation requires life-cycle of digital information. Digital preservation through storage, migration, and providing access on a continuing basis. In today trends in information and communication technology and the emerg potentials with which to construct a global knowledge base offer exciting opportunities for the information resource. Digital preservation is presented itself as an enormous challenge for both archive institutions.

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