

## **PAPER AS DATA STORAGE**

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### **ABSTRACT**

Paper as data storage is basically storing data like audio, video, text, image etc. On a piece of paper instead of using CD's & DVD's. With the advent in the techniques of compression and encryption it will become possible to store data equivalent to CD's or DVD's on a piece of paper in near future. After reading data we need to scale down their sampling values between 0 and 1. We will construct gray scale image from this values. So now data in the form of image can be distributed using measures like printouts. The paper can then be read through a normal scanning and the contents are decoded from matrix to reconstruct the sampled values which can be viewed or played. Though we are not able completely reconstruct noise free original data, we firmly believe that this will be important for future advancement of this idea. This extremely low cost technology will drastically reduce the cost of the storage and will provide high-speed storage as well. There are many advantages of storing data on paper such as biodegradability, cost, duplication, data transfer, speed, size, and security.

**KEYWORDS:** Biodegradability Compression, Encryption, Gray Scale