

PUNE INSTITUTE OF COMPUTER TECHNOLOGY
DHANKAWADI, PUNE – 43
UG SEMINAR ABSTRACT
Academic Year: 2020-21

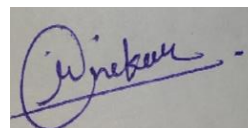
DEPARTMENT: COMPUTER ENGINEERING

Seminar On: Data Compression

By : Rajat Minekar

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1. Name of The Topic: Data Compression Using Huffman Coding and Comparative study with other compression algorithms.
2. Topic wise contents:
 - 1.Introduction
 - 2.Compression Algorithms
 - 3.Text Compression
 - 4.Image Compression
 - 5.Conclusion
3. References Used:
 1. K.Muthuchamy ,“A STUDY ON VARIOUS DATA COMPRESSION TYPES AND TECHNIQUES”, VOLUME 5 I ISSUE 3 I JULY – SEPT 2018.
 2. Oswald, C and Sivaselvan, B. 2018. Text and Image Compression based on Data Mining Perspective. Data Science Journal, 17: 12, pp. 1–12.
 3. Linglong Tan, Yong Zeng* and Wenju Zhang , “Research on Image Compression Coding Technology” , IOP Conf. Series: Journal of Physics: Conf. Series 1284 (2019) 012069.
 4. S.Anandhi, R.Neela, M.Janaki Rani , “Efficient Test Data Compression for SoC through ASRL with Improved Dictionary based Compression Technique” , IJITEE, ISSN: 2278-3075, Volume-8 Issue-11, September 2019.
 5. Apoorv Gupta , Aman Bansal , Vidhi Khanduja , “Modern Lossless Compression Techniques: Review, Comparison and Analysis” , Conference: 2nd IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT - 2017) At: Coimbatore, India ,Volume: 3.



Date: 10/04/2021

Student

REMARKS BY UG SEMINAR CO-ORDINATOR:

Date:

UG Seminar Coordinator

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Abstract:. Data compression is reducing the size of source data. It is the encoding technique using less bits than an actual data to make it's representation smaller in size than actual size of data. Compression is a technology for reducing the quantity of data used to represent any content without reducing the quality of the picture. It actually reduces the number of bits required to transmit data. To store large amount of data efficiently Compression techniques are used. There are multiple techniques available for compression, This seminar proposes to analyze various compression algorithms and compare them with each other. It also includes various compression on different type of data like text , image , etc.

Keywords: : Data compression, lossy compression, lossless compression, Compression Ratio , Huffman, LZW, RLE,ASRL, JPEG.

REMARKS BY UG SEMINAR GUIDE:

Date:

UG Seminar Guide
(Prof.)