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Effectiveness and Influence of Parts of Speech like adjectives and interjections for examining the feelings in sentences containing sarcasm: A study in the **Second**

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Computer Science & Engineering, AIT, Chikkamagaluru, Karnataka, India during **24ᵗʰ-27ᵗʰ July 2024.**

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from

Srinivas University, Mangalore has participated/presented a paper titled

A review on PCOS syndrome prediction using AI/ML Computation Technology

in the **Second**

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TECHHORIZON 2023

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Visual cryptography for color Video using different Halftoning techniques

in TechHorizon 2023- a National Conference on Advancing Frontiers in Computer Science and Information Technology, held on 11 December 2023 organised by Institute of Computer Science and Information Science, Srinivas University Mangalore.

Dr. Anil Kumar	Dr. Subramanya Bhat	Dr. Soumya.S
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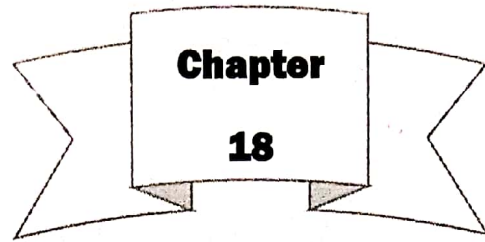
Visual cryptography for color Video using different Halftoning techniques

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ABSTRACT

The main purpose of Visual cryptography is to secure the visual information in an image. Many works are already done for the binary images, gray and also for the color an image, here the Visual cryptographic technique is applied for Color Video. In the method the video is transformed into frames of color image, then Color image is decomposed into color spaces, after that apply half toning technique Create a share-1 image from the cover image and use an XOR operation to encrypt the information in the secret image. Then the color image information is hidden behind the Share of the cover image. Decryption is the reverse process of encryption. In the novel approach three halftoning techniques is used and compared.

Keywords: color image encryption, RGB color spaces;, YCbCr color spaces, Visual cryptography, halftone, inverse halftone.

1. INTRODUCTION :

Securing the visualization information is the wide range field of the applications in image processing. To secure secrete visual information in image visual cryptography is one of the good technique.

Visual cryptography was introduced by Moni Naor and Adi Shamir in 1994[1]. Here with the use of cryptographic technique encryption can be done and Humans can decrypt without the use of any decryption algorithm. The process of visual cryptography involves splitting an image into multiple shares or transparent images to prevent others from identifying it from only a few of them. To recover the image, shares must be stacked together, it is regenerated and recognized by the human eye.

In the beginning black and white images are applied by Visual cryptographic schemes now next this scheme is applied for gray scale images by Chang-Chou Lin, Wen Hsiang Tsai [2] who proposed visual cryptography for gray level images. But it is not enough for real applications. F.Liu, C.K.Wu, X.J. Lin [3] produced a new method for colored visual information.

Now a day's secrete image is hidden using Halftoning technique. Half-tone images are employed to replicate continuous tone to half-tone by making dots with different sizes or intensities. The figure 1 shows the complete procedure of visual cryptography [1].

Visual cryptography facilitates the efficient and effective sharing of secrets with multiple trusted partners. Visual cryptography can divide a secret into multiple shares, which is a very powerful technique XOR operation done for the secret information and share image.

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A patent analysis review on early detection of PCOS syndrome using AI/ML Computation Technology

in TechHorizon 2024 - a National Conference on Advancing Frontiers in Computer Science and Information Technology held on 29th June 2024 organised by Institute of Computer Science and Information Science, Srinivas University Mangalore.

Dr. Subrahmanya Bhat
Dean
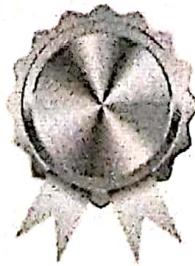
Dr.Soumya.S
Conference Convener

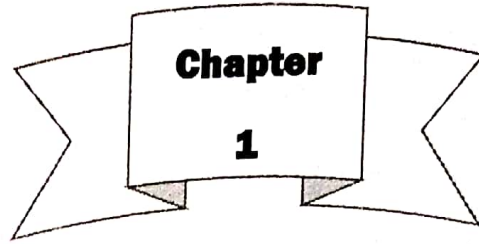Dr. K Sathyanarayana Reddy
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A comprehensive review on detection and treatment of PCOS syndrome using Machine learning

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ABSTRACT

Purpose: Polycystic ovarian syndromes (PCOS) are common hormonal illnesses that affect many women and frequently result in long-term health issues. Accurate and timely diagnosis is a compulsory requirement for efficient treatment and averting consequences. The novel detection system for Polycystic Ovary Syndrome (PCOS) identification is the current new invention. Among females, the same common syndrome is irregular menstruation, hormonal imbalance, and cystic ovaries. Early identification of these endocrine diseases may avoid major complications like diabetes, cardiovascular diseases, and infertility.
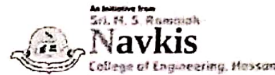
Objectives: The potential of artificial intelligence (AI) and machine learning algorithms to transform PCOS detection, classification, and segmentation we explore how AI might detect important traits linked to both illnesses by using its enormous database of clinical data to learn.

Approach: The proposed method utilizes the new techniques of machine learning algorithm and some image processing techniques to analyse ultrasound scans of ovaries, medical image data, and menstrual history. The system uses multi-mode approaches to get various data sources and features to detect PCOS Presence.

Finding: This study explores the importance and impact of artificial intelligence (AI) and machine learning in today's world.

Keywords: Polycystic Ovary Syndrome (PCOS), cardiovascular diseases and medical imaging data

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Shalini I S

For His/Her Paper Titled

Random search Based Hyperparamerter tunned VGG16 Architecture for Poultry Breed Image Classification

in the **International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS)** organized by Navkis College of Engineering, Hassan (NCEH), 23rd- 24th August 2024.

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