DR.THAFSEELA KOYA POOLAKKACHALIL

Professor and Head of Department
Department of Computer Science and Engineering
thafseela@kmctceet.org

Educational Background

- PhD in Computer Science and Engineering from National Institute of Technology - Durgapur(NIT Durgapur) (2019)

- M.Tech in Computer Science and Engineering from Banasthali University(2012)

- B.Tech in Computer Science and Engineering from Government Engineering college, Sreekrishnapuram(2005)

Professional Experience

- 2 years of experience as Vice Principal, Associate Professor and Head of Department Professor at AWH Engineering College specializing in Computer Science and Engineering

- Worked as Assistant professor with University of People, USA

- 7 years of experience as Lecturer at Caledonian College of Engineering, Oman

- One year of experience as Adhoc Lecturer at National Institute of Technology, Calicut

- Worked as Faculty Assistant with Qatar Aeronautical College, Qatar

- Worked as Guest Faculty with College Of Applied Science, Calicut

Area of Interest

- Image Processing

- Artificial Intelligence & Machine Learning

- Data Science

- Cyber Security

Area of Expertise

- Image Processing

- Image and computer vision

- Signal Processing

- Database Management Systems

- Programming

Publications

- Stereoscopic image compression using curvelet. Journal of Theoretical and Applied Information Technology, 97(4), 1146–1154.

- Symbols Frequency Based Image Coding For Stereoscopic Image. International Journal of Engineering Research And Technology, 12(4), 486-493. http://www.irphouse.com/ijert19/ijertv12n4_05.pdf

- Summative stereoscopic image compression using Arithmetic coding. Indonesian Journal of Electrical Engineering and Informatics, 7(3), 564–576. https://doi.org/10.11591/ijeei.v7i3.755

- Novel Hybrid Lossy Image Compression Model using Run Length Coding and Huffman Coding. 16(10), 103–107.

- Symbols Frequency based Image Coding for Compression. 15(9), 148–155.

- Comparative analysis of lossless compression techniques in efficient DCT-based image compression system based on Laplacian Transparent Composite Model and An Innovative Lossless Compression Method for Discrete-Color Images. 2016 3rd MEC International Conference on Big Data and Smart City, ICBDSC 2016. https://doi.org/10.1109/ICBDSC.2016.7460360

- Analysis of Stereoscopic Image Compression Using Arithmetic Coding and Huffman Coding. Proceedings of the International Conference on Inventive Research in Computing Applications, ICIRCA 2018, (Icirca), 214–220. https://doi.org/10.1109/ICIRCA.2018.8597216

- Analysis of application of arithmetic coding on DCT and DCT-DWT hybrid transforms of images for compression. 2017 International Conference on Networks and Advances in Computational Technologies, NetACT 2017, (July), 288–293. https://doi.org/10.1109/NETACT.2017.8076782

Hobbies

- Reading

- Badminton

For professional inquiries or collaborations, contact via email: thafseela@kmctceet.org