

FACULTY PROFILE



Name: Dr. P. ROHINI

Designation: Assistant Professor

Teaching areas: Data Science, Software Engineering, Information Security, Advanced Data Structures, Computer Programming, Python, Database Management Systems, OOP through Java and C++, Theory of Computation, Design and Analysis of Algorithms.

Research interests: Machine Learning, Deep Learning, Computer Vision.

Education: Ph.D in Computer Science and Engineering, JNTUA, Anantapuramu, 2022
Master of Technology, JNTU Kakinada, 2011
Bachelor of Technology, JNTU Kakinada, 2005

Research/Selected Publications: Total-11

1. P. Rohini, Md Zia Ur Rahman, S. Rooban, M. V. S. Ramprasad, Pradeep Vinaik Kodavanti, "Frequency Domain Adaptive Learning Algorithm for Thoracic Electrical Bioimpedance Enhancement" Computers , Materials and Continua, Tech Science Press, **SCI (Q1)**, April 2022.
2. Rohini P, C.Shoba Bindu "Adversarial Image Reconstruction Learning Framework for Medical Image Retrieval", Signal Image and Video Processing, **Springer (SCI)**, Jan 2022.
3. P Rohini, C Shoba Bindu , "Image Reconstruction Using Refined Res-UNet Model for MIR" , Acta IMEKO, **Scopus**, March 2022.
4. Rohini P, C.Shoba Bindu "Learning image representation from image reconstruction for a content-based medical image retrieval", Signal Image and Video Processing, **Springer(SCI)**, March 2020
5. L. Koteswara Rao, Rohini P, L.Pratap Reddy "Local color opponent quantized extrema patterns for image retrieval " , MDSSP, **Springer (SCI)**, pp.1.23, July 2018

Research/Selected Conferences: Total-10

1. Rohini P, C. Shoba Bindu "Quantized local trio patterns for multimedia Image Retrieval System", Innovations in Electronics and Communication Engineering, **Springer**, July 2018.
2. L. Koteswara Rao, Rohini "Multiple color channel local extrema patterns for image retrieval", ICIECE'18 , Innovations in Electronics and Communication Engineering, **Springer**, July 2018.
3. L. Koteswara Rao, D Venkata Rao, P Rohini, "Integration of color and MDLEP as a feature vector in image indexing and retrieval", ICICT 2015, AISC, **Springer, Scopus**.

Books Published

- Image Pattern Recognition -Fundamentals and Applications, CRC Press, Feb 2022.