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 oppugnant 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.