FACULTY PROFILE

Name: **Dr. P. ROHINI**

Designation: **Associate Professor**

Teaching areas: Data Science, Software Engineering, Information Security,
Advanced Data Structures, C 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-15

1. P. Rohini, DS Rao, L K Rao, Bhagyaraju V, Advancing Human Action Recognition and Medical Image Segmentation using GRU Networks with V-Net Architecture, International Journal of Advanced Computer Science and Applications (IJACSA), Volume 15 Issue 2, **WOS** & **Scopus.** 2024.
2. 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.
3. Rohini P, C.Shoba Bindu "Adversarial Image Reconstruction Learning Framework for Medical Image Retrieval", Signal Image and Video Processing, **Springer (SCI),** Jan 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-12

1. P.Rohini , Faizan, Syed Anas, Dheeraj Patel, "A hybrid model for forecasting stock prices using Bayesian and LSTM", **Springer** Conference,FICTA-2023
2. P.Rohini ,Faizan Mohammed, "A novel deep learning approach to find Similar Stocks Using Vector Embeddings", **Springer** Conference,FICTA-2023
3. P. Rohini**,** S. Tripathi, C. M. Preeti, A. Renuka, J. L. A. Gonzales and D. Gangodkar, "A study on the adoption of Wireless Communication in Big Data Analytics Using Neural Networks and Deep Learning," 2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering , Greater Noida, India, 2022, **IEEE, Scopus**.

Books Published

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