Dr.ARCHANA J.N

Associate Professor

Department of Computer Science and Engineering
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Educational Background

- Ph. D in Computer Science from Bharathiar University(2022)

- M.E in Computer Science and Engineering from Anna University (2005)

- B.E in Computer Science and Engineering from M.S University(2002)

Professional Experience (16 Years)

- Currently working as Associate Professor in KMCT Institute of Emerging Technology and Management (July 2024 onwards)
- 2 Years of experience as HOD in Dayapuram Arts and Science College for Women, Calicut. (2002-2024)
- 1 year and 6 months of experience as Adhoc Faculty at National Institute of Technology, Calicut (2019-2020)
- 6 Years of experience as Assistant Professor at Atria Institute of Technology, Bangalore affiliated to VTU (2012-2018)
- 1 Year experience as Assistant Professor at SCMS School of Engineering(2010-2011)
- 4 Years of experience as Assistant Professor at Marian Engineering College(2006-2010)
- 1 Year and 6 months experience as Lecturer in Narayanaguru Engineering College (2004-2006)

Area of Interest

- Data Analysis

- Image Processing

- Artificial Intelligence.

Area of Expertise

- Medical Image Processing

- Computer Networks

Achievements and Awards

- Best paper award for the paper presented at the International Conference on Emerging Trends in Engineering and Technology organized by Lord Jagannath Engineering College, Kanyakumari, February 2012.

Publications

- ''Enhancement of Pulmonary Images using a Modified Sobel Edge Detection Algorithm for the Diagnosis of IPF" in Indonesian Journal of Electrical Engineering and Computer Science,Vol.24, No.3, Nov, 2021. (**SCOPUS indexed**)

- 'A Discrete Wavelet Transform Based Approach for Enhancement of Lung Images', International Journal of Advanced Science and Technology Vol. 29, No.4, (2020), pp.7773 – 7783. (**SCOPUS indexed**)

- 'A Wavelet Based Unsharp Masking Algorithm for Enhancing Lung Images', International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-12, October 2019. (**SCOPUS indexed)**

- ' Conjunctive Keyword Search with Designated Tester and Timing Enabled proxy Re-Encryption in Health cloud'**,** International Journal of Innovative Research and Science and Technology, August 2017.

- 'A Review on the Image Sharpening algorithms using Unsharp masking', in International Journal of Engineering Science and Computing (ISSN 2321 3361,Vol 6,Iss 7,July 2016,pp 8729-8734)

- 'Access protection of media information via Multi privilege mechanism on Social networks', International Journal of Innovative Research and Science and Technology, August 2016.

- 'Geographic Data Visualization using Wavelet based Unsharp Masking' published in IEEE Conference Proceedings ICCICCT-2015

- 'Energy Efficient and a Secure Heterogeneous Wireless Sensor Networks Using Scheduling and Intrusion Detection' in International Journal of Current Engineering and Technology(ISSN 2277-4106,Vol 3,Iss 3,August 2013, pp 935-939)

- 'Simplified HEDI Method For Progressive Transmission of 3-D Medical Image', in International Journal of Emerging Technology and Advanced Engineering (ISSN 2250-2459, Vol 2, Iss 1, November 2012 , pp 487-492)

- ' Progressive Transmission Techniques in Medical Imaging', in International Journal of Multidisciplinary and Current Research(ISSN 2321- 3124,Vol 2 Iss 5,July 2013, pp 96-102)

Papers Presented

- *'An Approach for Enhancing Satellite images using Unsharp Masking'* at International Conference on Recent Trends in Engineering and Technology(ICRTET-17) in St. Josephs Institute of Technology, Chennai during May 5-6,2017.

- *'Sharpening the Vehicular Traffic Flow Images for Better Analysis and Decision Making using Wavelet based Unsharp Masking'* at International Conference on Business Analytics and Intelligence(ICBAI-16) in Indian Institute of Science, Bangalore during December 19-21,2016.

- '*A new design of Video streaming capture and Transmission system using Servfox.*'at National Conference on Advanced Computing and Communication Technology-NCACCT-16 in Santhigiri College, Affiliated to Mahatma Gandhi University, Kottayam, during May 12,2016.

- *'Geographic Data Visualization using Wavelet based Unsharp Masking'* at IEEE International Conference on Control Instrumentation Communication and Computational Technologies ICCICCT-2015 at Noorul Islam University, Kumaracoil, Kanya Kumari District during December 18 & 19, 2015.

- *'Security For route Discovery Using Routing Algorithms in MANETs'* at First International Conference on Emerging Trends in Engineering and Technology at Marthandam College of Engineering & Technology, Kanyakumari District, during 21 & 22 Feb 2013..

- *'MANET – A Conceptual Framework and Critical Analysis Concerning the Operational Feasibility'* at Lord Jagannath Engineering College, Kanyakumari, Feb 2012.

- '*Vertical Handover Decision Schemes in Heterogeneous Wireless Networks'*, selected for International Conference [ICCA] held at Pondicherry during Jan 2012.

- 'Trends in *Cloud Computing'* at Marian Engineering College,Thiruvanathapuram, 2010

- '*Reversible De-correlation Method for Progressive Transmission of 3D Medical Image*' for a National Conference at National Engineering College, Kovilpatti, Tamil Nadu, 2005

- *'Network Monitoring System'* at CSI Institute of Technology, Thovalai, Kanya Kumari District, Tamil Nadu, 2002

Hobbies

- Reading
- Drawing

For professional inquiries or collaborations, contact via email:
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