

PROFILE

Dr. J.Umamaheswari
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Qualification:

Doctorate of Computer Science
Bharathiar University, Coimbatore. India

Master of Computer Science
Madurai Kamaraj University, Madurai, India

Bachelor of Computer Science.
Bharathiar University, Coimbatore. India

Academic Professional Experience:

Working as Dean in ADM College for women, Bharathidasan University, India, from 01.08.2022 to till now.

Worked as Associate Professor in EGS College of Science, Bharathidasan University, India, from 15.04.2019 to 30.05.2022

Worked as Assistant Professor in Nethaji Subash Chandra Bose College, Bharathidasan University. For a period of 2 years 7 months (01.09.2016 to 12.04.2019)

Worked as Lecturer and IT Coordinator in Majmaah University, Kingdom of Saudi Arabia, for a period of 3 years (22.10.2013 to 04.08.2016)

Worked as Full Time Research Scholar, Coimbatore, GRD College of Science, Bharathiar University, for a period of four years

Worked as Lecturer, Avinashilingam Deemed University, for a period of four years

Subjects Handled

Artificial Intelligence, Mobile Computing, Computer graphics, Machine learning, Cyber Security, Image Processing, Data and Video Compression, Big Data, Multimedia and Web designing, Operating System, Programming Language (C++), Information security, Visual Programming, Ethics and Professional Practice, Big Data, Cloud computing, Design and analysis of algorithms.

Professional Affiliation

Member. IAENG

Editorial board member IJCTT

Reviewer African Journal of Engineering Research,
Trainer Educational Child Psychology Program,

Patents

1. Requirement based Community formation and evolution system in social networks during emergency using big data 2019 .Australia
2. Threat Detection system for Protecting a Device against a cyber attack.2022. South Africa
3. Smart Computer software to Identify Television panels Technology 2022. India
4. Indian Higher education System Challenges and Suggestions. 2023.India
5. Modern digital web based Library Management system.2023. India

Book publication

1. Basics of Artificial Intelligence -2023 Saliha Publication- Amazon

Most Recent Academics Participation

1. National level workshop” Role of Deep Learning in Pandemic Era” IFET,15.11.2021 to 16.11.2021.
2. International webinar on “Cyber Security Threats in Smart Grid-A Research Perspective Approach”, SRMIST, 28.08.2021.
3. Online Course “Earth Observation (EO) for Carbon Cycle Studies” Indian Institute of Remote Sensing Organisation , 21.06.2021 to 25.06.2021.
4. Accounting software “Basics of Tally” 10.05.2021 to 19.05.2021.
5. Online Faculty Development Program on “Recent Technology-2020” SRM Institute of Science and Technology 15.05.2020 to 17.05.2020.
6. Webinar on Cloud Computing conducted by DMI Engineering College, 28.05.2020.
7. Online Faculty Development Program on “Niching methods on multimodal applications”, SRM Institute of Science and Technology, 16.11.2020 to 21.11.2020.
8. The annual flagship entrepreneurship conference “E- conclave, “, IIT Bombay, 20.11.2020 to 21.11.2020.
9. On line symposium on “Challenges in Cyber security”, GRD college of science, 13.08.2020.
10. Leadership summit, “Transformation on education and employability in its sector: Post pandemic”, Computer society of India, 29.12.2020.

Recent Honors and Awards

- ❖ Research Supervisor for Ph.D program., Bharathidasan University, 2019
- ❖ Reviewer, Pre Ph.D. Viva-Voc., Bharathidasan University, 2017-2018
- ❖ Question Paper setting, Course Exam, Ph.D., Bharathidasan University, 2018- 2019
- ❖ Best Faculty Award in Majmaah Univesity 2015-2016.
- ❖ E-Books for Computer Organisation and Operating Systems 2014-
□ 2015.
- ❖ Travel Grant to Attend a Conference in Malaysia.

Recent International Conferences

1. A Fusion Technique for Medical Image Segmentation, International Conference On Devices, Circuits and Systems – IEEE, 2011(ISI)
2. An Amalgam Approach for Dicom Image Classification and Recognition, International Conference On Machine Vision, Image Processing and Pattern Analysis
– WASET, Malaysia, 2011 (ISI)
3. An Optimal Approach for Dicom Image Segmentation based on Fuzzy Techniques- Springer, 2012(ISI)
4. Lossless Image Compression: Current Trends and Prospective, International Conference on Advanced Computing,2011
5. International Conference on Cloud Computing, ICCCC, Princess Nora University(PNU) - Riyadh 2015

Recent International Journal Publications (25 papers)

1. Spam Tweets Detection in Tamilnadu: A Machine Learning Approach, International journal of application or Innovation in Engineering & Management, 2022(ISI)
2. A machine learning approach for classification of brain Abnormalities from MRI structural images, International Journal of Recent Scientific Research ,2019 (ISI)
3. Noise Reduction in Medical Images Using Adaptive Weighted Median Filter Based On Back Propagation Neural Network, International Journal of Advance Research,2018 (ISI)
4. The Evaluation of Data sets with Computed Tomography Images using Image processing Algorithms, International Journal of Application or Innovation in Engineering & Management, 2017 (ISI)

Recent International workshops

1. Workshop in Opportunities in South Asia for MCA,
2. Workshop on Content Creation and LMS for E-Learning,
3. Workshop on Emerging Trends in Digital Image Processing,
4. Workshop on Cloud Computing using Open Source,
5. Workshop on Matlab-A Tool for Research,
6. Workshop on Wavelets and Its Applications in Signal/Image Processing,
7. Workshop on Research Paradigms in Communication and Data Engineering,
8. Workshop on Personality Skill Development,
9. Workshop on D2L ,
10. Workshop on SmartBoard,
11. Workshop-D2L(Beginners,Advance,Expert)
12. Workshop on access EBISCO Database through SDL
13. IEEE Explore –Saudi digital library, PNU-Riyadh
14. E-Training workshop in IEEE
15. E-Training workshop-essential tools from BMJ
16. E-Training workshop-Springerlink online platform
17. E-Training workshop-wolfram programming language

Recent Refresher Course

1. Refresher Course on Paradigms and Applications of Pattern Recognition in Image Processing and Computer Vision,
2. Refresher Course on Vision and Challenges of Cloud Computing and Pervasive Computing,

Recent International seminars

1. International Seminar on Computational Intelligence,
2. Modern Tools in Biotechnology,
3. Recent Trends in Nutritional Sciences,
4. Cloud Computing and software defined infrastructure, PNU-Riyadh
5. Soft layer Cloud built to perform hybrid cloud is the solution, IBM, PNU-Riyadh

Professional Development Activities

1. Information Technology Coordinator
2. Instructress (Microsoft)
3. Convenor (Information Technology Courses)
4. Online training course of Microsoft
5. One day training on Oracle (PSU-Riyadh)
6. Two day training on Routing & Switching (CISCO Academy)