

RESUME

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Education

- **Ph. D.**, Computer Science, 2013, University of Madras, Chennai.
- **M.E.**, Computer Science and Engineering, 2016, Anna University
- **M.Phil.**, Computer Science, 2003, MS University, Tirunelveli.
- **M.C.A.**, 1994, University of Madras, Chennai.
- **B.Sc. (Computer Science) ***, 1990, University of Madras, Chennai.
* Secured **I rank** in the University

Work Experience Total: 24.8 years

8.2 years of experience in teaching at **Vellore Institute of Technology, Vellore**

16.8 years of experience in teaching at **R. M. K. Engineering College, Gummidipoondi**

Areas of interest

- Artificial Neural Networks
- Image Processing

Responsibilities Held

- HOD in charge for a period of 2 years and 6 months and headed the process of Accreditation, RMKEC
- EPS and RHP Coordinator, RMK Group
- Branch Coordinator for I year, RMKEC
- IBM Academic Initiative – Coordinator, RMKEC
- Coordinator for MSSRF Consultancy Projects, RMKEC
- Dept. Coordinator for Autonomous status, AICTE, Attendance, R&D, RMKEC
- Cultural Activity In charge, RMKEC
- Coordinator for the Faculty Recruitment, RMKEC
- Core Team Member, Infosys Campus Connect at RMKEC, VIT
- Coordinated in bringing eminent personalities from the IT industry to the campus at RMKEC, VIT
- Placement and Training Coordinator - Department of Computer Applications, VIT
- Member - Board of Studies - Department of Computer Applications, VIT
- Question Paper Setter at VIT, DG Vaishnav College

Awards Received

- Best Teacher Award for the years 1998, 1999 at VIT.
- IBM TGMC Mentor Award by IBM at CMRIT, Bangalore, 2014.
- Inspire Campus Connect Faculty Partner Partnership Model – Bronze – Infosys, 2016
- Inspire Campus Connect Faculty Partner Partnership Model – Gold – Infosys, 2017
- Inspire Campus Connect Faculty Partner Partnership Model – Bronze – Infosys, 2018
- Inspire Campus Connect Faculty Partner Partnership Model – Silver – Infosys, 2019

Research Projects/Consultancy Projects

Co-Investigator – Project funded by AICTE, Rs. 5,00,000/- at VIT, Vellore - 2000

Principal Investigator – Project funded by UBA, MHRD, Rs. 1,00,000/- at RMKEC - 2019

Research/Publications

Reviewer in the International Journal of Computer Theory and Engineering (IJCTE) and International Journal of Engineering and Technology (IJET)

- **ACORD - An Adaptive Corner Detection Algorithm for Planar Curves** - Pattern Recognition, pp. 703-708, 2003.
- **Introduction to Artificial Neural Networks** – Bioinformatics India – Journal, 2005
- **ART network – A solution for Effective Warranty Management** – Journal of cooperation among University, Research and Industrial Enterprises(CURIE), 2008
- **“A Novel Approach to Classify Noises in Images Using Artificial Neural Network”**, Journal of Computer Science, 6(5), 2010, pp.541-545, ISSN:1549-3636
- **“Probabilistic Neural Network – A Better Solution for Noise Classification”**, Journal of Theoretical and Applied Information Technology, Vol. 27, No. 1, 2011, pp. 39-42, E-ISSN 1817-3195 / ISSN 1992-8615.
- **“Applicability of BPN and MLP neural networks for classification of noises present in different image formats”**, International Journal of Computer Applications, Vol. 26 No. 5, 2011, pp. 10-14, DOI: 10.5120/3101-4259
- **“Application of Neural Networks for Noise and Filter Classification to enhance the Image Quality”**, International Journal of Computer Science Issues, Vol. 8, Issue 5, pp. 314-317, September 2011
- **“Improving de-duplication efficiency with multilevel hashing in cloud storage backup”**, International Journal of Control Theory and Applications, 9(26) pp.7-13, January 2016

- **“Crime Record Management System”**, International Journal of Mechanical Engineering, Vol 7.1, January 2022

Papers Presented

International Conferences

- **“Role of filters in image enhancement – A survey”** in the International Conference on Mathematics & Computer Science organized by Loyola College, Chennai during 2007.
- **“A study of existing Neural Network models”** in the International Conference on Systemics, Cybernetics and Informatics organized by Pentagram Research Centre, Hyderabad during 2008.
- **“SOM network – A solution for effective Complaints Management”** in the International Conference on Digital Factory organized by CIT, Coimbatore during 2008.
- **“A study on Contemporary approaches in Facial Feature Extraction”** in the International Conference on Emerging Trends in Computing organized by Kamaraj College of Engineering & Technology, Virudhunagar during 2009.
- **“An Automated Image Noise Identification Using Back Propagation Neural Network”**, Proceedings of the International Conference on Mathematics & Computer Science, Chennai, India, February 2010, pp. 520-523
- **“Improving de-duplication efficiency with multilevel hashing in cloud storage backup”**, Proceedings of the International Conference on Computing Communication and Information Science (ICCCIS’16), 2016

National Conferences

- **“A Novel Approach for the De duplication using Hashing Algorithm”** in the National Conference on “Impact of Computing Technologies in Emerging Scientific fields” organized by SRM University, Tamilnadu during 2012.
- **“A Quantitative Analysis on De duplication Algorithm”** in the National Conference on “Emerging Trends in Computer Science” organized by Sree Sastha Institute of Engineering and Technology, Tamilnadu, during 2011.
- **“Clustering in Web Applications”** in the National Conference on “Machine Learning and Computing” organized by Sri Venkateswara College of Engineering, Sriperumbudur during 2010.
- **“Clustering Algorithms for Pattern Classification”** in the National Conference on “Intelligent Systems and Networks” organized by Haryana Engg. College, Haryana during 2005.

- **“University Information Enquiry using NLP and GA”** in the National Conference on “Vision, Graphics and Image Processing” organized by Jawaharlal Nehru National College of Engg., Karnataka during 2005.
- **“A Neuro Fuzzy Approach to misuse Intrusion Detection System”** in the National Conference on “Networks and Distributed Systems” organized by Osmania University, Hyderabad during 2005.
- **"Fuzzy Knowledge Base-A Solution to Pattern Mining"** in the National Conference on "Object and Component Technologies, OBCOM -2003" held at VIT.

Lectures given

- Delivered a lecture on "Artificial Intelligence" in the ISTE Workshop held at VIT during 1998.
- Delivered a lecture on "Fuzzy Expert Systems" in the AICTE - ISTE Short term Training Programme on "FUZZY LOGIC AND ITS APPLICATIONS IN ENGINEERING" organized by VIT during 2004.
- Conducted a Orientation Programme on “Programming Languages – Project Perspective “ to the teachers of Computer Science Department of S. B. O. A. School and Junior College, Chennai during 2014.
- Resource Person in FDTP on “Programming and Data Structures” in RMKCET, during January 2016
- Resource Person in FDTP on “Python Programming and its Applications” in Sri Sai Ram Engineering College, during June 2018
- Resource Person in FDTP on “Python Programming ” in St. Joseph’s Engineering College, during July 2019
- Chaired the Paper Presentation session at the International Conference on Advancements in Computing technologies, Stella Maris College, January 10&11,2020
- Delivered an invited talk titled, “Neural Networks in Image Processing - A Research Perspective”, in the 28th International Conference (Virtual) of Forum for Interdisciplinary Mathematics (FIM) - Synergies in Computational, Mathematical, Statistical and Physical Sciences (FIM 28: SCMSPS 2020) organised by FIM, Stella Maris College, Chennai and Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam, Tamilnadu, India from 23rd to 27th of November, 2020.

Participation in Workshop/Summer Schools/Conferences

- 5 days Faculty Enablement Programme on “Foundation Program 4.0” held at RMKEC conducted by Infosys.

- One day Faculty Development Programme on “Data Structures, Error Handling and OOPS” at CTS. Chennai
- 4 days FDP on C/C++ conducted by TCS, held at RMKEC
- Workshop on Cloud Computing conducted by VMWARE Software Pvt. Ltd.
- Insight 09, a skill building workshop conducted by Infosys Technologies
- AICTE - ISTE Short term Training Programme on Faculty Awareness camp on Entrepreneurship (FACE) held at RMDEC.
- One day FDP on “To teach the Teacher – How to Teach” conducted by TCS at RMKEC.
- One day workshop on “Real Time Embedded Systems” held at RMKEC.
- Workshop on “Open Source and IBM Technologies” held at MIT, Chennai.
- State level Workshop on “Data Mining and Network Security” held at Madha Engineering College
- Two Day workshop on “Soft Computing” held at Kongu Engineering College.
- National level workshop on “MATLAB” held at DG Vaishnav College
- “Faculty Empowerment Workshop' conducted by P.V.B.R.K.Brahmam held at VIT.
- AICTE - ISTE Short term Training Programme on "Induction training for teachers on Multimedia Expert System" organised by VIT.
- AICTE - ISTE Short term Training Programme on "Fuzzy Logic and its Applications in Engineering" organised by VIT .
- Workshop on "Fuzzy Logic and its Applications in Engineering" organised by Sir M. Visvesvaraya Institute of Technology, Bangalore.
- Workshop on "Enhancing Effectiveness through Quality Circle meetings" organised by ASC, VIT.

Membership in Professional Bodies

- Life member ISTE - Indian Society of Technical Education
- Life member CSI - Computer Society of India

- Life member IACSIT – International Association of Computer Science and Information Technology
- Life member IAENG – International Association for Engineers

I hereby declare that the information given above is true to the best of my knowledge.

[S.RADHIKA]