

Dr. Nagaraja S.

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Personal

Born on May 27, 1972.

Indian Citizen.

Education

1998-2000: M.Sc. (Mathematics), Kuvempu University.

2000-2003: M.C.A., Kuvempu University.

2010-2015: Ph.D. Computer Science & Technology, Kuvempu University.

Employment

2004 - 2005

Software Engineer, Vikas Systems, Bangalore.

2005 - 2007

Software Engineer, Hewlett Packard, Bangalore.

2007 - 2008

Member Technical Staff, HCL, Chennai.

2008 - 2024

Assistant Professor, Department of Computer Science, Karnatak Science College, Dharwad.

2024 - Present

Associate Professor, Department of Computer Science, Karnatak Science College, Dharwad.

Industrial Experience

Four Years of Industrial Experience in System side

Teaching Experience

Seventeen Years of Teaching Experience at Under-Graduate Level

Academic Programs Taught: Bachelor of Computer Applications (BCA), B.Sc.(C.S.)

Courses Taught: Object Oriented Programming Language, Design and Analysis of Algorithms, Computer Concept and C-Programming Language, Introduction to Unix, Data Structures, Java and Internet Programming.

Sponsored Research Projects

Principal Investigator- Nagaraja S.

A Study on Texture Features of Underwater Images using Local Binary Patterns, Seed Grant University Project, Karnatak University, Dharwad, 2021, INR 0.50 lakhs (Completed).

Modelling & visualization of fluid flow using computer graphics, University Grants Commission (UGC), New Delhi, India, 2009, INR 0.90 lakhs (Completed).

Publications

Refereed International Journals

Completed Robust Local Binary Pattern Texture Descriptor for Classification of Facial Expression, International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS), Volume 8, Issue 1, pp. 1-7, 2024.

CGLBP Texture Features Extracted from Curvelet Approximate Sub-band of Face Images, International Journal for Research Trends and Innovation (IJRTI), Volume 9, Issue 1, pp. 458-463, 2024.

Extraction of Texture Features from Shearlet Face using RLBP for Recognition, International Journal of Science and Research (IJSR), Volume 13, Issue 1, pp. 203-208, 2024.

Shearlet based CRLBP Texture Features for Recognition of Facial Expression, International Journal of Science and Research (IJSR), Volume 12, Issue 12, pp. 2016-2021, 2023.

RLBP Texture Features extracted from Shearlet Face for Facial Expression Recognition, International Journal of Enhanced Research in Educational Development (IJERED), Volume 10, Issue 1, pp. 212-218, 2022.

Low-Level Features for Image Retrieval based on Extraction of Directional Binary Patterns and its Oriented Gradients Histogram, International Journal of Computer Applications, Computer Applications: An International Journal (CAIJ), volume 2, issue 1, pp. 13-28, 2015.

Parallax Effect Free Mosaicing of Underwater Video Sequence Based on Texture Features, Signal and Image Processing: An International Journal (SIPIJ), volume 5, issue 5, pp. 13-25, 2014.

Face Recognition Based on Texture Analysis Using Robust Local Binary Pattern, Journal of Machine Learning Technologies, ISSN: 2229-3981 & ISSN: 2229-399X, Volume 3, Issue 1, pp. 097-0102, 2013.

Refereed International/National Conference Proceedings

Curvelet based CRLBP Texture Descriptor for Facial Expression Recognition, Proceedings of International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT 2015), IEEE Xplore, held at Bapuji Institute of Engineering and Technology, Davanagere, Karnataka, India during October 29th to 31st, 2015.

Extraction of Curvelet based RLBP features for Representation of Facial Expression, Proceedings of International Conference on Contemporary Computing and Informatics (IC3I-14), IEEE Xplore, pp. 845-850, held at J C College of Engineering, Mysuru, Karnataka, India during November 27th to 29th, 2014.

Extraction of Texture based Features of Underwater Images using RLBP Descriptor, Proceedings of 3rd International Conference on Frontiers in Intelligent Computing Theory & Applications (FICTA- 14), Springer AISC-328, pp. 263-272, held at Bhubaneswar Engineering College, Bhubaneswar, Odisha, India during November 14th and 15th, 2014.

Curvelet Based Multiresolution Analysis of Face Images for Recognition using Robust Local Binary Pattern Descriptor, Proceedings of International Conference on recent trends in Signal Processing, Image Processing and VLSI (ICrSIV), published by ACEEE, pp. 331-338, held at Don Bosco Institute of Technology (DBIT), Bangalore, Karnataka, India during February 21st to 22nd, 2014.

Complete Local Binary Pattern for Representation of Facial Expression Based on Curvelet Transform, proceedings of the International Conference on Multimedia Processing, Communication and Information Technologies (MPCIT), published by ACEEE, pp. 48-56, held at JNNCE, Shimoga during 19th to 21st December 2013.

Workshops, Seminars & Training Courses

UGC Sponsored Orientation Program organized by Academic Staff College, Karnatak University, Dharwad, 5th May to 1st June 2009.

National level workshop on Image Processing, Vision and Pattern Recognition (NWIVPR-2010) Organized by Department of Computer Science, Karnatak University, Dharwad, 29th and 30th March 2010.

Workshop on Recent Advances in Machine Learning, Organized by Sri Jayachamarajendra College of Engineering, Mysore, 15th and 16th May 2013.

UGC Sponsored Refresher Course organized by Human Resource Development Centre (HRDC), Bangalore University, Bangalore, 18th January to 8th February 2016.

One day National Seminar on Business Analytics and Machine Learning, Organized by Department of Computer Science, B.S. Channabasappa First Grade College, Davanagere, 19th January 2019.

Research Papers Presented & Participated in Conferences

International Conference on Differential Geometry and its Applications (DGA-22), Kuvempu University, Shimoga, Karnataka, March 4th and 5th, 2022.

International e-Conference on Progress of Science and Technology during Pandemic (PSTDP-2021), Him Science Congress Association, Himachal Pradesh, September 11th to 12th, 2021.

International Virtual Conference on Emerging Trends in Nanoscience & Nanotechnology (ICETNN-2021), College of Engineering & Technology, Srinivas University, Mangaluru, Karnataka, August 6th to 7th, 2021.

National Conference on Opportunities and Challenges in Information Technology, Sahyadri Science College, Shimoga, March 9th and 10th, 2021.

National Conference on "Industrial Applications of Mathematics and its Developments", Kuvempu University, Shimoga, Karnataka, March 13th to 14th, 2020.

International Conference on "Recent Developments of Mathematics and its Industrial Applications", Kuvempu University, Shimoga, Karnataka, April 11th to 12th, 2019.

International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT 2015), Bapuji Institute of Engineering and Technology, Davanagere, Karnataka, October 29th to 31st, 2015.

International Conference on Contemporary Computing and Informatics-IC3I-14, J C College of Engineering, Mysuru, November 27th to 29th, 2014.

International Conference on Frontiers in Intelligent Computing Theory & Applications-FICTA-14, Bhubaneswar Engineering College, Bhubaneswar, Odisha, November 14th and 15th, 2014.

International Conference on Recent Trends in Signal Processing, Image Processing and VLSI -ICrTSIV 2014, DBIT, Bangalore, February 21st and 22nd, 2014.

International Conference on Multimedia Processing, Communication and Information Technologies-MPCIT 2013, JNNCE, Shimoga, December 19th to 21st, 2013.

International Conference on Computer Vision, Graphics and Image processing - ICVGIP 2010, IIT Madras, Chennai, December 12th to 15th, 2010.

Award

UGC has awarded Teacher Fellowship under Faculty Development Program for completion of Ph.D. Course during the year 2013 for two years.

Ph.D. Thesis

Nagaraja S., A Study on Local Binary Patterns Descriptor and Its Applications in Computer Vision, Ph.D. Thesis, Department of Computer Science, Kuvempu University, 2015.
Research Supervisor: Dr. Prabhakar C.J.

University Services

2021-2024: Worked as a Director, IT Section, Karnatak University, Dharwad.

2017-2021: Worked as a Co-Ordinator for Department of P.G. Studies in Mathematics, Karnatak Science College, Dharwad.

2018-2024: Worked as a Chief Co-Ordinator for BBA/BCA Central Valuation Nov/Dec 2018, Feb/Mar 2023, Nov/Dec 2023, Aug/Sep 2024 Examination, Karnatak University, Dharwad.

2015-2018: Worked as a Co-Ordinator for BBA/BCA Central Valuation May/June 2015, 2016, 2017, 2018, Nov/Dec 2015, 2016, 2017 Examination, Karnatak University, Dharwad.

2011-2013: Co-Ordinator, Department of Computer Science, Karnatak Science College, Dharwad.

2011-2013: Member, Board of Studies in Computer Science for UG and PG, Karnatak University

2010-2024: Member of BOAE for BCA and B.Sc(CS)., Karnatak University

References

1. Prof. Gireesha B.J.,
Department of Studies in Mathematics
Kuvempu University, Shankaraghatta - 577451
Karnataka, India
2. Prof. Prabhakar C.J.
Department of Computer Science
Kuvempu University
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Karnataka, India