Dr. Asmita Deshpande

Professor

Dept. of BCA

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Education

- PhD – Rani Channamma University, Belagavi
- MCA – Indira Gandhi National Open University, New Delhi
- MCM – Bharati Vidyapeeth, Kolhapur
- B.Sc(C.S) – Karnatak University, Dharwad

Work Experience:

- Coordinator– BCA Department (February 2024- present)
- Professor BCA Department (August 2022 – present)
- Associate Professor – BCA Department (August 2012 – July 2022)
- Assistant professor – (July 2007 to 20012)
- Lecturer – BCA Department (July 2004 to 2006)
- Lecturer – Department of Computer science, GSS College Belagavi(July2002-2004)
- Lecturer – Department of Computer science, Vasantaro Potdar Polytechnic, Belagavi (July2000-2002)

Current academic role & responsibilities:

- Coordinator – BCA Department (Technical),
- Professor, Dept. of BCA
- Member BOS, Rani Channamma University, Belagavi
- Member BOE- Rani Channamma University, Belagavi

Research Area/Interests

Image Processing and computer vision, Big data Analytics, AI , Machine Learning and Pattern Recognition

Publications:

International Journals

- A Hybrid Approach For Digital Fundus Images Using Image Enhancement Techniques, International Journal of Computer Engineering and Applications, Vol. XII, Issue I, 2018, pp. 122-131. ISSN 2321-3469.
- Automated Method for Optic Disc Detection and Elimination in Digital Fundus Images, International Journal of Recent Technology and Engineering (IJRTE), Vol. 8, Issue 4, 2019, pp. 12558-12563. ISSN 2277-3878.
- A Multistage Approach for Exudates Detection in Fundus Images Using Texture Features with k-NN Classifier, International Journal of Advanced Research in Computer Science, Vol. 9, No. 1, 2018, pp. 1-5. ISSN 0976-5697.
- Exudates Detection in Digital Fundus Images using GLCM Features with SVM Classifier, International Journal of Modern Electronics and Communication Engineering (IJMECE), Vol. 6, Issue 6, 2018, pp. 184-189. ISSN 2321-2152.
- Automatic Detection of Microaneurysms from Digital Fundus Images using LBP Features, International Journal of Control and Automation Vol. 13, No. 2, 2020, pp. 1386-1395. ISSN 2005-4297.
- Detection and Classification of Diabetic Retinopathy using Histogram of Oriented Gradients and Decision Tree Classifier, International Journal of Advanced Science and Technology, Vol. 29, No. 04, 2020, pp.8640–8648. ISSN 2005-4238.
- Detection of Non Proliferative Diabetic Retinopathy from Digital Fundus Images, International Journal of Current Research and Review, Vol. 13, Issue 8, 2021. (In Press).

Conference

- A Hybrid Approach for Digital Fundus Images using Image Enhancement Techniques, National Conference on Computational Sciences and Soft Computing, Jawaharlal Nehru National College of Engineering, Shivmogga, Karnataka, 14th and 15th December 2017.

Book Chapters

- Exudates Detection from Digital Fundus Images using GLCM Features with Decision Tree Classifier, Proceedings of Second International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R 2018), held at Solapur University, Solapur, India, December 21–22, 2018, K. C. Santosh and R. S. Hegadi (Eds.):, Published by Communications in Computer and Information Science (CCIS) Springer Nature, 1036, 2019, pp. 245–257. ISBN 78-981-13-9184-2.
- Automated Detection and Counting of Red-Dots from Digital Fundus Images, Proceedings of ICT4SD, 5th International Conference on ICT for Sustainable Development, Panaji Goa 23rd and 24th July 2020, Simon Fong, Nilanjan Dey, Amit Joshi (Eds):, ICT Analysis and Applications, published by Lecture Notes in Networks and Systems(LNNS), Vol.2, Springer Nature, 2020, pp. 339-347. ISBN 978-981-15-8354-4.
- The Fusion of Features for Detection of Cotton Wool Spots from Digital Fundus Images, Proceedings of 12th International Conference on Soft Computing and Pattern Recognition (SoCPaR) (online), Dec 15-18th, 2020, Abraham A., Oshawa Y., Gandhi N., Jabbar M.A., Haqiq A., Mcleone S., Issac B. (Eds):, Advances in Intelligent Systems and Computing, Springer Nature, 2021. ISBN 978-3-030-73688-0