

## Dr. Kagale Madhuri Raghunath

MCA, Ph.D

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### EDUCATIONAL QUALIFICATION:

<b>PhD in Digital Image Processing</b> <i>Karnatak University, Dharwad</i>	<b>2019</b>
<b>Master of Computer Applications (MCA), first class with Dist.</b> <i>Karnatak University, Dharwad</i>	<b>2008</b>
<b>Bachelor of Science (Statistics), first class with Dist.</b> <i>Vivekanand College, Kolhapur (Shivaji University, Kolhapur)</i>	<b>2001</b>

### CERTIFICATE COURSE:

Undergone a six months course developed by the Advanced Computing Training School (ACIS), Pune, at the National Resource Centre of **C-DAC**, Kolhapur during the period July 2001 to December 2001 and has been awarded the **Advanced Diploma in Information Technology** with Grade A.

### RESEARCH SUMMARY:

**Research Title** : A Study on Colour Texture Descriptors for Digital Image Analysis

**Guide** : Prof. Shivashankar S.

**Institute** : Dept. of Studies in Computer Science, Karnatak University,  
Dharwad- 580003, Karnataka, India.

### PUBLICATIONS:

1. Shivashankar S., Madhuri R. Kagale and Prakash S. Hiremath "Color Texture Classification using Modified Local Binary Patterns based on Intensity and Color Information", International Journal of Computer Science Engineering (IJCSE), Vol. 9, No. 12, Dec 2017, pp. 695-700, e-ISSN: 0975 – 3397.
2. Shivashankar S. and Madhuri R. Kagale "Automatic Wood Classification using a Novel Color Texture Features", IJCA International Journal of Computer Applications, Vol. 180, No. 27, March 2018, pp. 34-38, ISSN: 0975 - 8887.
3. S. Shivashankar, M. R. Kagale "Granite Classification: An Industrial Application to Color Texture Classification", International Journal of Computer Sciences and Engineering (IJCSE), Vol. 6, Issue 5, May 2018, pp. 325-330, e-ISSN: 2347-2693.
4. Shivashankar S. and Madhuri R. Kagale "Combined Intensity and Color Channel Information for Content Based Image Retrieval", International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCSAMS), Vol. 7, Issue 5, September 2018, pp. 1-6, ISSN: 2319 – 1953.

## **CONFERENCES / PRESENTED:**

1. S. Shivashankar, Madhuri R. Kagale and Prakash S. Hiremath “Inter Intensity and Color Channel Co-occurrence Histogram for Color Texture Classification”, In the Proceedings of the Springer Third International Conference on Cognitive Computing and Information Processing (CCIP) 15-16 Dec 2017, Bengaluru, India, vol. 801, pp. 182-190. Springer, Singapore. [https://doi.org/10.1007/978-981-10-905-2\\_17](https://doi.org/10.1007/978-981-10-905-2_17)
2. Shivashankar S. and Madhuri R. Kagale “Histogram Construction using Intensity and Color Channel: Application to Color Texture Classification”, In Book of Abstracts, International Conference on Sustainable Advanced Computing (ICSAC) 2-3 March 2018, Christ, Bengaluru, India, pp. 28.

## **SEMINARS / CONFERENCES / WORKSHOPS PARTICIPATED & PRESENTED:**

1. Presented in the Third International Conference on “Cognitive Computing and Information Processing- CCIP 2017”, Organized by the Dept. of Computer Science & Engineering and Dept. of Information Science & Engineering on 15<sup>th</sup> & 16<sup>th</sup> December, 2017.
2. Presented in the International Conference on Sustainable Advanced Computing, ICSAC- 2018, Organized by the Dept. of Computer Science, CHRIST (Deemed to be University), Bengaluru, on 2<sup>nd</sup> & 3<sup>rd</sup> March, 2018.
3. Participated in National Seminar on Soft Computing Techniques to Pattern Recognition, Department of studies in Computer Science, Manasagangotri, Mysuru held at University of Mysore, on 3<sup>rd</sup> - 5<sup>th</sup> November, 2016.
4. Participated in two days Workshop on Research Trends in Image Processing and Machine Learning based on Mathematical Modeling, S. D. M. College of Engineering and Technology, Dharwad-580002, Karnataka held at Dept. of Information Science on 17<sup>th</sup> & 18<sup>th</sup> February, 2017.
5. Attended two days UGC Sponsored National Seminar on Statistical Inference and Stochastic Modelling, Organized by Department of studies in Statistics, Karnatak University, Dharwad-580003 held on 22<sup>nd</sup> & 23<sup>rd</sup> February, 2017.
6. Participated in the UGC Sponsored National Conference on “Analysis And Its Applications” under UGC-SAP DRS-III Programme, Organized by the Department of Mathematics, Karnatak University, Dharwad-580003 held at Dharwad on 9<sup>th</sup> & 10<sup>th</sup> March, 2018.
7. Participated in the five day Faculty Development Program on Machine Learning, Organized by Indian Institute of Information Technology (IIIT), Hubballi, on 23<sup>rd</sup> – 27<sup>th</sup> July 2018.