Dr.PRIYA S

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PhD. in *Information & Communication Engineering*
Master of Technology (M.Tech.) in *Computer Science and Engineering*
Bachelor of Technology (B.Tech.) in *Computer Science and Engineering*

Teaching Experience: *27 Years*

Publications:

1. **International Journals: 20**
2. **International Conferences: 12**
3. **Patent Granted: 2   Published: 1**

Membership in Professional Bodies/ Certifications :

1. *Life Member* of *Indian Society for Technical Education* (**ISTE**): No. **LM 31519**

2. *Dale Carnegie* **Certified teacher** with *High impact Teaching Skills*

Areas of Interest

Computer Networks, Operating Systems, Network Security, Digital Image Processing , Computer Architecture, IoT, Soft Computing and Machine Learning.

Dr. Priya. S   -   List of Publications

International Journals

1. **S Priya**, T. Ashok kumar and Varghese Paul, "Fabric Defect Detection Using Bitplane Decomposition and Mathematical Morphology" , *European Journal of Scientific Research* ,Vol.80 No.3 ,2012,, pp.322-330, ISSN 1450-216X/ 1450-202X.

2. T. Ashok kumar, **S. Priya** and Varghese Paul, "Automatic Feature Detection in Human Retinal Imagery Using Bitplane Slicing and Mathematical Morphology", *European J .of Sc. Research(EJSR), Vol. 80, Issue 1,2012 ,pp57-67,* ISSN 1450-216X/ 1450-202X.

3. T. Ashok kumar, **S. Priya** and M.G. Mini, "Fast optic disc localization and detection in retinal fundus images using bitplane decomposition and mathematical morphology", *CIIT Int. Journal of Digital Image Processing, vol. 3, no. 3, March 2011,* pp. 431–448. **Print: ISSN 0974 – 9691 & Online: ISSN 0974 – 9586.**

4. T. Ashok kumar, **S. Priya** and Varghese Paul, "Automatic Detection of Vasculature from Images of Human Retina Using CLAHE and Bitplane Decomposition", American Journal of Biomedical Imaging, Vol 1, August, 2013, Article ID 20130133, pp. 1-12.

5. **S Priya**, T. Ashok kumar ,Varghese Paul and P. Marichamy, "Localization of Defects in Fabric Imagery Using Contrast Limited Adaptive Histogram Equalization and Mathematical Morphology", *CiiT Int. Journal of Digital Image Processing,* Vol. No .4 No.14 ,2012,, pp.776-781. **Print: ISSN 0974 - 9691 & Online: ISSN 0974- 9586.**

6. T. Ashok kumar, **S. Priya** and Varghese Paul, "A Novel Approach to the Detection of Macula in Human Retinal Imagery", Int. Journal of Signal Processing Systems, Vol 1, No. 1, June 2013 doi: 10.12720/ijsps.1.1.23-28, pp 23-28, ISSN 2315-4535.

7. Nisha. B R, **Priya. S** and Ashok Kumar. T, "Image Super-resolution with Improved Wiener Restoration and Simultaneous Edge Enhancement", *International Journal of Computer Applications* Vol 100, No 12, August 2014, pp. 5-12, Doi: 10.5120/17575-7993, ISBN: 973-93-80883-42-4, *ISSN* 0975-8887.

8. Santhini. K. A, **Priya. S** and Ashok Kumar. T, "Image Visibility Enhancement of Dimmed and Hazy Images using Adaptive Gamma Correction Along With Automatic Noise Removal*", International Journal of Research in Information Technology,* Vol 2, No 11, November 2014, pp. 311-321, ISSN: 2001-5569.

9. Meharban M S , **Priya S**, Ashok kumar T "A Review on Similarity Distance Measure, Color, Texture Features Available For Content Based Image Retrieval", *International Journal of New Technologies in Science and Engineering* Vol. 2, Issue 4, pp 1-10, Oct 2015, ISSN 2349-0780.

10. Chaithanya C and Priya S " Object Weight Estimation from 2D Images", ARPN Jr. of Engineering and Applied Sciences, vol 10, No 17 ,pp 7574-7578, Sept 2015, ISSN 1819-6608.

11. Rani M R and **Priya S** " A New Approach for Simultaneous Enhancement of Contrast and Sharpness of Image Using Retinex Algorithm and Genaeralized Linear Systems", International Journal of Innovation and Advancement in Computer Science, vol 3, Issue 5, pp 11-25, July 2014, ISSN 2347-8616.

12. Sherin Sebastian and **Priya S** " Text Detection and Recognition from Images as an Aid to Blind Persons Accessing Unfamiliar Environments", ARPN Jr. of Engineering and Applied Sciences, vol 10, No 7 , pp 7559- 7564, Sept 2015, ISSN 1819-6608

13. Vidyaraj K and **Priya S**, "Developing an algorithm for Tomato leaf disease detection and classification", *International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering*, Vol. 3, Spl. Issue 1, pp 105-108, Feb 2016, ISSN (Online) 2321 – 2004 ,ISSN (Print) 2321 – 5526

14. Meharban M S and **Priya S**, "A Comparative study on Image Compression Using Halftoning Based Block Truncation Coding for Colour Images", *International Journal on Cybernetics & Informatics (IJCI)*, Vol. 5, No. 2, pp 89-98, April 2016.

15. Meharban M S and **Priya S**, "A Review on Image Retrieval Techniques", *Bonfring International Journal of Advances in Image Processing*, Vol. 6, No. 2, pp 7-10, April 2016, ISSN: 2277-503X, DOI: BIJAIP.8136.

16. Meharban M S and **Priya S**, "A Hybrid Scheme of DDBTC Encoding and CCF, BPF Extraction for Image Retrieval Process with Relevence Feedback", *International Journal of Engineering and Future Technology*, Vol. 1, Issue 1, 2016, ISSN: 2455-6432.

17. Gopika G, **Dr.Priya S**, Dr. Ashok Kumar T. " A Novel Approach to Seamless Image Stitching using S-FREAK and RANSAC Algorithm", *Journal of Critical Reviews*,vol. 7 Issue 4, pp 1565-1582, July 2020. ISSN-2394-5125 doi:10.31838/jcr.07.04.262

18. Rethy PV, **Priya S**, Janu R Panicker and Lakshmi R Nair " An innovative Deep Learning Framework Integrating Transfer-Learning And Extreme Gradient Boosting Classifier For The Classification Of Breast Ultrasound Images", Int. Research Jr. of Engineering and Technology, vol 9, issue 6, pp 1671- 1679, June 2022. e-ISSN 2395-0056, Print ISSN 2395-0072.

19. Arya Rajagopal, Lekshmi R Nair and **Dr. Priya S** " A Study on Various Preprocessing Methodologies For Plant Disease Detection Using Leaf Image", IJSART vol. 8, Issue 6 June 2022, pp 792-797, ISSN [ONLINE]: 2395-1052.

20. Arya Rajagopal, Lekshmi R Nair and **Dr. Priya S** " Comparison Study of VGG16 And Inceptionv3   Transfer Learning Models For Classification of Plant Leaf Disease", IJSART vol. 8, Issue 6 June 2022, pp 1212-1218, ISSN [ONLINE]: 2395-1052.

International Conferences

1. T. Ashok kumar, **S. Priya** and M.G. Mini *"Optic* Disc Localization in Ocular Fundus Images", *IJCA Proc. on Int. Conf. on VLSI, Communications and Instrumentation (5),*pp 20–23, 2011. ISSN 0975 – 8887.

2. **S Priya**, T. Ashok kumar and Varghese Paul, "A Novel Approach to Fabric Defect Detection Using Digital Image Processing", *Proc. IEEE int. Conf. on. ICSCCN* , 2011,pp 228-232. Print: ISBN: 978-1-61284-654-5.

3. **S Priya**, T. Ashok kumar and Varghese Paul, "Defect Detection in Woven Fabric Using Weighted Morphology", *Proc. IEEE Int. Conf. on. ICCCNT*, 2012, pp 1-6 doi: 10.1109/ICCCNT.2012.6395861, DOI:10.1109/ICCCNT.2012.6395861

4. T. Ashok kumar**, S. Priya** and Varghese Paul, "A Novel Approach to the Detection of Macula in Human Retinal Imagery", *proc..of 4 th. Int. Conf. on ICECT,* Vol 1, No. 1, pp 23-28, June 2013.

5. Dincy Paul, **Priya S** and Ashok kumar T, "GMM Clustering Based Segmentation and Optic Nervehead Geometry Detection From OCT Nervehead Images", Proceedings of 2015 IEEE Global Conference on Communication Technologies (GCCT 2015), 978-1-4799-8553, PP 376-379

6. Pravda Jith Roy, **Priya S** and Ashok kumar T, "Nuclear Segmentation For Skin Cancer Diagnosis From Histopathological Images", Proceedings of 2015 IEEE Global Conference on Communication Technologies (GCCT 2015), 978-1-4799-8553, PP 397-401.

7. Rani M R, **Priya S**, "A New Approach for Simultaneous Enhancement of Contrast and Sharpness of Images using Retinex Algorithm and Generalized Linear Systems ", International Journal of Innovations & Advancement in Computer Science (IJIACS) ISSN 2347-8616 Volume 3, Issue 5 July 2014, pp 11-25

8. Chaithanya C, **Priya S**, "Object Weight Estimation from 2D Images ", ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 17 SEPTEMBER 2015 , ISSN 1819-6608, pp 7574-7577

9. Sherine Sebastian, **Priya S**, "Text Detection and Recognition from Images as an Aid to Blind Persons accessing Unfamiliar Environmenmts", ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 17 SEPTEMBER 2015 , ISSN 1819-6608, pp 7559-7564.

10. Meherban MS and **Priya S**, "Image Indexing and Retrieval Using Error Diffusion BTC with Relevance Feedback", *Proc. of International Conference on Advanced Computing and Communication Systems (ICACCS -2016), Jan. 22 & 23, 2016, Combatore, India ,2016.*

11. Meherban MS and **Priya S**, "Content Based Image Retrieval Using Ordered-Dither Based BTC With Relevance Feedback", *Proc. of International Conference on Innovations in information Embedded and Communication Systems (ICIIECS16), India ,2016*

12. Gopika G, **Priya S**, Ashok kumar T, "Seamless stitching using S-FREAK and RANSAC algorithm", Proceedings of International Conference on Recent Advancements in Wireless Communications, Signal and Image Processing (ICWCSIP-2020), June 2020

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