


<b>Dr. Ashok kumar T</b>		
<b>PROFILE</b>	Assoc.Professor Dept. of Electronics Engg. Model Engineering College, Ernakulam. Email : ashok@mec.ac.in	
<b>EXPERIENCE</b>	24 YEARS IN TEACHING	
<b>EDUCATION</b>		
Ph.D in Information & Communication Engg:	Anna University ,Chennai, India,	
M.Tech –Electronics Design & Technology	Indian Institute of Science (IISc.), Bengaluru, India	
MBA- Marketing Management	IGNOU, New Delhi, India	
B E/BTech– Electronics & Telecom. Engg:	Amravati University, MS ,India	
Diploma in Applied Electronics	Dept. of Technical Education, Kerala, India	

AREAS OF INTEREST	
Embedded Systems, Digital Image Processing, Electronic Product Design	
MEMBERSHIP IN PROFESSIONAL BODIES	
Life Member ISTE (Indian Society for Technical Education)	
<b>International Journals</b>	
1. <b>T. Ashok kumar</b> , S. Priya and Varghese Paul, “Automatic Feature Detection in Human Retinal Imagery Using Bitplane Slicing and Mathematical Morphology”, <i>European J .of Sc. Research(EJSR)</i> , Vol. 80, Issue 1,2012 ,pp57-67. ISSN 1450-216X.	
2. <b>T. Ashok kumar</b> , S. Priya and M.G. Mini, “Fast optic disc localization and detection in retinal fundus images using bitplane decomposition and mathematical morphology”, <i>CIIT Int. Journal of Digital Image Processing</i> , vol. 3, no. 3, March 2011, pp. 431–448. <b>Print: ISSN 0974 – 9691 &amp; Online: ISSN 0974 – 9586.</b>	
3. <b>T. Ashok kumar</b> , S. Priya and Varghese Paul, “Automatic Detection of Vasculature from Images of Human Retina Using CLAHE and Bitplane Decomposition”, <i>American Journal of Biomedical Imaging</i> , Vol 1, August, 2013, Article ID 20130133, pp. 1-12.	
4. S Priya, <b>T. Ashok kumar</b> and Varghese Paul, “Fabric Defect Detection Using Bitplane Decomposition and Mathematical Morphology” , <i>European Journal of Scientific Research</i> ,Vol.80 No.3 ,2012,, pp.322-330. ISSN 1450-216X	
5. S Priya, <b>T. Ashok kumar</b> ,Varghese Paul and P. Marichamy, “Localization of Defects in Fabric Imagery Using Contrast Limited Adaptive Histogram Equalization and Mathematical Morphology”, <i>CiiT Int. Journal of Digital Image Processing</i> , Vol. No .4 No.14 ,2012,, pp.776-781. <b>Print: ISSN 0974 - 9691 &amp;</b>	

**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/ijsp.1.1.23-28, pp 23-28.

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.

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. Bini Babu , **Ashok kumar T** “Real time Thickness Measurement of a Moving Wire”, *International Journal of Innovative Research in Science and Engineering* Vol. 2, Issue 5, pp 158-163, May 2016, ISSN 2454-9665.

#### **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.

<p>2. S Priya, <b>T. Ashok kumar</b> and Varghese Paul, “A Novel Approach to Fabric Defect Detection Using Digital Image Processing”, <i>Proc. IEEE int. Conf. on ICSCCN</i>, 2011,pp 228-232. Print: ISBN: 978-1-61284-654-5.</p>	
<p>3. S Priya, <b>T. Ashok kumar</b> and Varghese Paul, “Defect Detection in Woven Fabric Using Weighted Morphology”, <i>Proc. IEEE Int. Conf. on ICCCNT</i>, 2012, pp 1-6 doi: 10.1109/ICCCNT.2012.6395861.</p>	
<p>4. <b>T. Ashok kumar</b>, S. Priya and Varghese Paul, “A Novel Approach to the Detection of Macula in Human Retinal Imagery”, <i>proc..of 4 th. Int. Conf. on ICECT</i>, Vol 1, No. 1, pp 23-28, June 2013.</p>	
<p>5. Dincy Paul, Priya S and <b>Ashok kumar T</b>, “GMM Clustering Based Segmentation and Optic Nervehead Geometry Detection From OCT Nervehead Images”, <i>Proceedings of 2015 IEEE Global Conference on Communication Technologies (GCCT 2015)</i>, 978-1-4799-8553, PP 376-379.</p>	
<p>6. Pravda Jith Roy, Priya S and <b>Ashok kumar T</b>, “Nuclear Segmentation For Skin Cancer Diagnosis From Histopathological Images”, <i>Proceedings of 2015 IEEE Global Conference on Communication Technologies (GCCT 2015)</i>, 978-1-4799-8553, PP 397-401.</p>	
<p>7. Suja Markose and <b>Ashok kumar T</b>, “ Estimation Blood pressure using pulse transit time”, <i>Proceedings of IEEE conference on ICISCE 2016</i>.</p>	
<p>8. Aravind M.R, Bharathkumar N, G.J. Twinkle Sijo, VimalVivek, Vishnu Harikumar and <b>T. Ashok kumar</b>, “ Early Detection of Diabetic Retinopathy from fundus Images of Human Retina”, <i>Proceedings of the 27<sup>th</sup> International Conference on Electrical Electronics Communication Robotics and Instrumentation Engineering (ICEECIE 2017)</i>, ISBN: 978-93-85225-87-1,pp 28-31.</p>	

**COURSES HANDLED**

Sl.No	Course Name	UG/PG
1	Embedded System Design	PG (VLSI & Embedded Systems)
2	Digital Image Processing	PG (Signal Processing)
3	Project Design	UG (Electronics & Communication Engg.)
4	Research Methodology	PG (VLSI & Embedded Systems)
5	Digital Electronics	B Tech Electronics & Communication Engg. (CUSAT)
6	Microprocessors	B Tech Electronics & Communication Engg. (CUSAT)
7	Electronic Product Design	B Tech Electronics & Communication Engg. (CUSAT)
8	Communication Engineering	B Tech Electronics & Communication Engg. (CUSAT)