

## BIO-DATA

**Name : Anil Renukadas Karwankar**

**Designation: Associate Professor**

**Experience:Teaching : 27 years Industry 02 years**

**Educational Qualifications: PhD Electronics Engineering**

**Ph.D. topic: Development of Online Handwriting Development System(Devanagari)**

**Recognized Ph.D. guide at:Dr. B.A. Marathwada University & VTU Belgaum**

**Research Areas: Image Processing, Pattern Recognition , Artificial Intelligence Systems**

**Research Project Completed:1. DRDO Project 2. Departmental Seed Money Project**

**Member of Professional Bodies: MIE, LMISTE**

**Reviewer of Journals:03**

**Publications:**



1	A.R. Karwankar, “ <i>Stroke Pattern Identificatio in Devanagari Character Recognition,</i> ” IJAEA: An International Journal of Advanced Engineering & Applications, Print ISSN : 0975 – 7783Online ISSN : 0975 – 7791, 26th January2010
2	A.R. Karwankar, “ <i>Devanagari Character Recognition using Neural Approach,</i> ” IJERIA International Journal of Engineering Research and Industrial Applications, ISSN-0973-9424Vol-3,N0-II/III/IV,2010.
3	A.R. Karwankar, “ <i>Devnagari character recognition using self organizing maps,</i> ” IEEE Explorer,page(s): 687–691 ,ISBN: 978-1-4244-7769-2 INSPEC Accession Number: 11745410 DOI: 10.1109/ICCCCT.2010.5670752,7-9Oct.2010
	<b>Year 2011</b>
4	A.R. Karwankar, “ <i>Devanagari stroke pattern Identification,</i> ” International Journal of Power, Control, Signal And Computation IJPCC, April 2011.
	<b>Year 2012</b>
5	A.R. Karwankar and Santosh Kulkarni, “ <i>IVRS for College Automation,</i> ” International journal and advanced research in computer and communication Engineering, Volume 1, Issue 6,ISSN : 2278 - 1021, August 2012.
6	A.R. Karwankar, “ <i>Thyrod Disease Detection Using Modified Fuzzy Hyperline Segment Clustering Neural Network,</i> ” International Journal Of Computers And Technology, Vol 3 No. 3, ISSN: 2277-3061, Dec 2012.

	<b>Year 2013</b>
7	A.R. Karwankar and DynanandShilwant, “ <i>Student Monitoring By Face Recognition System,</i> ” International Journal of Electronics, Communication & Soft Computing Science and Engineering, Volume 2, Issue 2, ISSN: 2277-9477 2013
8	A.R. Karwankar, “ <i>Automatic static signature verification systems: a review,</i> ” International journal of computational engineering research, Volume 3, issue 2, ISSN: 2250-3005 PP. 08 – 12,February, 2013.
9	A.R. Karwankar, “ <i>Moving Object Tracking In Video Using MATLAB,</i> ” International Journal Of Electronics, Communication & Soft Computing Science And Engineering, Volume 2, Issue 1, ISSN: 2277-9477, 5 -9 Apr 2013.
	<b>Year 2014</b>
10	A.R. Karwankar and Mayur Gore, “ <i>Human Computer Interaction using Hand Gesture Recognition,</i> ” International Journal of Engineering Research & Technology (IJERT),April 2014, Vol. 3 Issue 4, ISSN: 2278-0181
11	A.R. Karwankar and Vaibhav Kambale, “ <i>Emotion Recognition for Instantaneous Marathi Spoken Words,</i> ” © Springer International Publishing Switzerland 2015, Vol.2, DOI: 10.1007/978-3-319-12012-6_37
12	A.R. Karwankar and Sunita Ramesh Rajmane, “ <i>Voice enabled device control using arm processor,</i> ” International Journalof Engineering Sciences & Research Technology, ISSN: 2277-9655, December 2015.
13	A.R. Karwankar, “ <i>Devanagari Character recognition using Kohonens Network,</i> ” International Conference @ KITS 2009, December 2009.
<b>YEAR 2013</b>	
A.R. Karwankar and MaheshkumarBadmera and AjinkyaNilawar, “ <i>Modified FCM approach for MR brain image segmentation,</i> ” Circuits, Power and Computing Technologies, 03,2013 International Conference,pageNo. 891-896, DOI: 10.1109/ICCPCT.2013.6528885,ISBN:978-1-4673-4921-5, 20-21 March 2013	
<b>YEAR 2014</b>	
A.R. Karwankar and Vaibhav Kambale, “ <i>Emotion Recognition for Spoken Words,</i> ” ICTBM, MC3, 3/24/2014,4122	
A.R. Karwankar and RajendraChaudhary, “ <i>Students monitoring by face recognition system,</i> ” ICTBM, MC3, 3/24/2014,4123.	
<b>YEAR 2015</b>	
A.R. Karwankar and Deepak Chincholkar, “ <i>Dynamic Signature Verification System,</i> ” ICNTE,2015.	
A.R. Karwankar and Tushar Darote, “ <i>Moving object detection and tracking using Multiple Webcam,</i> ” 2015.	

**National Conference Publications**

**YEAR 2004**

A.R. Karwankar, "*Image Compression Techniques*," Organized by Dept of Computer Science, Dr. BAMU, Aurangabad, January 4-5,2004

A.R. Karwankar, "*E- Comm Security*," Organized by Dept of Computer Science, Dr. BAMU, Aurangabad, January 4-5,2004

**YEAR 2005**

A.R. Karwankar, "*Motion Detection System*," National Conference on NCAETE, February 25-26,2005.

A.R. Karwankar, "*EMI / EMC & design consideration for embedded systems*," National Conference on NCAETE, February 25-26,2005.

A.R. Karwankar, "*MOEMS*," National Conference on NCAETE, February 25-26,2005.

**YEAR 2006**

A.R. Karwankar, "*E- learning & Case study*," ISTE Conference organized by GECA, November 30, 2006.

A.R. Karwankar, "*Modern teaching Techniques*," EECDV workshop at GECA, March 23-24,2006

**YEAR 2013**

A.R. Karwankar, "*Review Of Static Signature Verification Systems*," IEEE Bombay Section Sponsored National Conference-NCRTWWC, Mar.15.2013

**Conferences / Workshop Organized:**

**1.National Conference TSYGECA -06 GEC Aurangabad**

**2. Matlab 6.5 Workshop Feb 2004 GEC Aurangabad**

**Short Term Training Programme Organized:**

1. Certificate Course on Signal & Image Processing ( 3 Batches)
2. STTP of one week on Signal & Image Processing (Under TEQIP II)

**Expert Lectures Presented:**

1. E-learning , Dr. BAM University, Aurangabad
2. E-learning , Government Polytechnic, Aurangabad
3. E-learning ,Devgiri Engineering College, Aurangabad
4. ANN STTP ,Devgiri Engineering College, Aurangabad
5. Artificial Neural Networks STTP IT department , G.E.C. Aurangabad
6. Expert Lecture on Pattern Recognition and ANN GEC Aurangabad

**Short Term Training Programmes Participated:**

1. Soft Computing Tools & its Applications in Engineering (20.06.2011 to 01.07.2011), Government College of Engineering, Aurangabad
2. Skill Matrix Enhancement and effective Teaching-learning for quality Technical education, (28.11.2011 to 09.12.2011), Government College of Engineering, Aurangabad
3. Engineering Optimization Techniques and its application in Research, (02.01.2012 to 12.01.2012), Government College of Engineering, Aurangabad
4. Emerging trends in microwave and micro strip devices, (07.05.2012 to 11.05.2012), MIT Aurangabad
5. Self Management and Team Management for Success Breaking the Barriers (18.09.2012), Government College of Engineering, Aurangabad
6. Genetic Algorithm and Neuro Fuzzy Applications in Engineering, (17.12.2012 to 21.12.2012), Government College of Engineering, Aurangabad
7. NBA Workshop for Training Resource Persons on Outcome based Accreditation – Phase I & II, (29.04.2013 & 17.05.2013 to 19.05.2013), C. O. E. Pune
8. Soft Computing Tools and its Applications in Engineering, (03.06.2013 To 07.06.2013), Government College of Engineering, Aurangabad
9. System Design using FPGA, (24.06.2013 to 28.06.2013), Government College of Engineering, Aurangabad
10. MSP 430 and its application and ASD with ASLKV2010 Starter kit, (20.09.13 to 24.09.13), Government College of Engineering, Aurangabad
11. Network Security, (07.10.2013 to 11.10.2013), Government College of Engineering, Aurangabad
12. Research Methodology Concepts and tools, (16.12.2013 to 20.12.2013), Government College of Engineering, Aurangabad
13. Computer Networking using Windows Server, (17.11.2014 to 21.11.2014), NITTTR, JNEC Aurangabad
14. Pedagogy to Synergogy, (07.12.2015 to 11.12.2015), Government College of Engineering, Aurangabad
15. Advances in Digital Signal Processing, (03 and 04 Dec, 2015), Government College of Engineering, Aurangabad
16. Wavelet Theory, (12.04.2016 and 13.04.2016), Government College of Engineering, Aurangabad
17. Signal & Image Processing 2017, (06.02.2017 to 10.02.2017), Government College of Engineering, Aurangabad