

Dr. Aziz Makandar



Office:

Professor

Department of Computer Science

Akkamahadevi Women's University

(Formally: Karnataka state women's university)

Jnanashakti Campus

Bijapur-586108

Karnataka State (India)

e-mail: azizkswu@gmail.com

Research Interest:

Digital Image Processing, Knowledge Acquisition, Machine Learning and Perception, Artificial Intelligence

Education:

Ph.D. (Comp.Sc & Engg.)

M.Tech (Comp.Sc & Engg.)

Membership of K.S.W. University, Bijapur.

Chairman Board of Studies
(UG & PG)

Department of Computer Science
(2007 to 2014)

Chairman Board of Examiner
(PG)

Department of Computer Science
(2007 to Till Date)

External Member

Board of Examiner

Gulbarga University, Karnataka University, Dharwad
Bangalore University, Mysore University, Mysore Kuvempu
University, Shivmogga Mangalore University, Rani
Channamma University, Belgaum, Vijayanagar Sri
Krishnadevaraya University, Bellary.

Professional Experience: Total Teaching Experience- 20 Years

Professor Dept of Computer Science Karnataka State Women's University, Bijapur-586109 Karnataka, India	1 Aug 2013 (Till Date)	Presently Working
Associate Professor & Chairman Dept of Computer Science Karnataka State Women's University, Bijapur-586109 Karnataka, India	01 August 2010 to 31 July 2013	3 years
Reader & Chairman Dept of Computer Science Karnataka State Women's University, Bijapur-586109 Karnataka, India	01 August 2007 to 31 July 2010	3 years
Assistant Professor Department of Computer Sc & Engineering K B N College Of Engineering Gulbarga, Karnataka,India	01 July 2005 to 31 July 2007	2 Years
Lecturer Department of Computer Sc & Engineering K B N College Of Engineering Gulbarga, Karnataka,India	17 Nov 1997 to 30 June 2005	8 years

Research Supervision:Ph.D 05 (On going)

1. Mrs Bhagirati Halahlli – Medical Image Analysis Techniques and Applications for Breast Cancer
2. Mrs.Anita Patrot – Malware Image Analysis and Classification.
3. Mrs. Daneshwari Mulimani – Video image analysis and efficient object detection Techniques in video Frames
4. Mrs.Rashmi Somshekhar - Pattern Recognition Methods and Approaches in Analyzing the Neurological Disorders.
5. Mrs.Kanchan M Wangi - Image Processing.

Contribution to Profession:

- Started M.C.A program in computer science department. From Academic Year 2011-12
- Established a UGC Computer Laboratory
- HP-LIFE Grant in 2011

Grants Received from various Agencies

Sl. No	Name of the Scheme	Year Sanction	Sanction Order No	Sponsoring Agency	Grant Received
01.	ComputerCenter	2009	F.6-4/2009(Comp./Tech.)	UGC	62 Lac
02.	LIFETrainingCenter	2011	-	HP	US \$60 Thousand

I. International Journal Publications

- 01) **Aziz Makandar & K Karibasappa “Performance and Analysis of Wavelet based Medical Image Compressions using EZW”** International Journal of Computer and Mathematical Sciences, Vol. 1, Dec. 2009, PP75-80, ISSN 0976-5727.**IF: 2.58**
- 02) **Aziz Makandar & K Karibasappa “Lossless Medical Image Compressions Using HAAR and DB 4 Wavelet with EZW Coding”,** International Journal of Information Technology and Engineering, International Science Press, Vol. 1, Jan. 2010, PP 33-38, ISSN 2229-7367.**IF:0.309**
- 03) **Aziz Makandar & K Karibasappa “Embedded Lossless Medical Image Compressions with Wavelet Transform”,** International Journal of Physical Sciences, Vol. 22, No. 1, PP 1-8, March 2010 ISSN 0970-9150. IF : **1.152**
- 04) **Aziz Makandar & K Karibasappa “Progress Embedded Lossless Medical Image Compression using Wavelet Transform”,** International Journal of Computer and Information Technology, Vol. No. 1, Aug. 2010, PP 85-92, ISSN 2229-3531.**IF: 0.876**
- 05) **Aziz Makandar “Progressive Embedded Lossless Medical Image Compression using Biorthogonal Wavelet Transform”** Journal of computer science & Information technology, Vol1, No1, August 2010, pp 85-92, ISSN 2229-3531. IF: **3.32**
- 06) **Aziz Makandar & K Karibasappa “Wavelet Based Medical Image Compressions using SPHIT”,** International Journal of Computer and Mathematical Sciences, Vol. 1. Issues 7, Dec. 2010, PP 769-775, ISSN 0976-5727.**IF: 2.58**

- 07) **Aziz Makandar “Design and Analysis of System Security Using Artificial Neural Networks for Libraries”**, International Journals of Golden Research Thoughts, July 2012, PP 1-7, ISSN 2231-5063. **IF 2.2052**
- 08) **Aziz Makandar &Sheetalrani kawale, “Incorporation Concepts of Nano-Technology Services and Computing for Smart Class Rooms”** Research Link Journal, July 2012, PP 26-29, ISSN 0973-1628.**IF:3.4052**
- 09) **Aziz Makandar “Medical Image Compression Using Orthogonal and Biorthogonal Wavelet Transform”** Indian Stream Research Journal, Oct 2012, pp 1-9,ISSN 2230-7850 **IF: 3.1560**
- 10) **Aziz Makandar “ICT Enable education”**Reading In Social Sciences,2012,pp 84-92, ISBN 978-93-82166-03-0
- 11) **Aziz Makandar & Siyra Shaik “Presentation and Evaluation of Mobile Routing protocol for Ad-hoc Network”** Indian Stream of Research Journal, Volume 3, Issue. 4, May. 2013, ISSN:- 2230-7850. **IF: 3.1560.**
- 12) Aziz Makandar & Anita Patrot “**MAC Scheduling Algorithm for Wireless Network**” Golden Research Thoughts, Volume-3, Issue-1, July-2013, ISSN 2231-5063IF 2.2052
- 13) Aziz Makandar &S hireenbanu Kaladagi “**Secure RGB Image Steganography from Pixel Indicator Technique**” Indian Streams Research Journal, Volume-3, Issue-6, July-2013, ISSN 2230-7850 IF: 3.1560.
- 14) Aziz Makandar & Nasreen Mokashi “**Performance of Routing Protocols in wireless Ad Hoc network based on Sensor**”, Golden Research Thoughts, Volume-3, Issue-1, July-2013, ISSN 2231-5063, IF 2.2052

- 15) Aziz Makandar & SairaAlaf Shaik “**A Review of Voice Analysis and Recognition Techniques, Indian Streams**”Indian Streams Research Journal, Volume-3, Issue-6, July-2013,ISSN 2230-7850 IF: 3.1560.
- 16) Aziz Makandar “**Performance and Analysis of Artificial Intelligence and Neural Networks in IMT**” IJRCSIT, ISSN No.: 2319-5010, Vol. 2-Issue 2, February 2014, PP 169-176.IF:3.32
- 17) Aziz Makandar, Anita Patrot, Bhagirathi Halalli, “**Color Image Analysis and Contrast Stretching using Histogram Equalization,**” International Journal of Advanced Information Science and Technology (IJAIST) vol.27, No.27, ISSN. 2319:2682, July 2014, IF:3.5
- 18) Smt. Sheetalrani R Kawale, Aziz Makandar, Ramesh K “**Enhancing Energy Efficiency in WSN using Energy Potential and Energy Balancing**”, International Journal of Innovative in information Security(IJIRIS), August 2014,ISSN 2349-7009, IF 4.80
- 19) Aziz Makandara, Bhagirathi Halalli,, International Journal of Science and research (IJSR): “**Comparative study of Different Noise Models and Effective Filtering Techniques**”. ISSN(Online): 2319-7064, IF:3.358, 2014
- 20) Aziz Makandar and Bhagirathi Halalli “**Image enhancement techniques using Highpass and Lowpass filters**”, International Journal of Computer Application (IJCA), ISBN: 973-93-80884-82-0, Volume 109, Number 14, pp.21-27, January 2015, IF: 0.715.
- 21) Aziz Makandar and Bhagirathi Halalli “**A Review on Preprocessing Techniques for Digital Mammography images**”, International Journal of Computer Applications (IJCA) ISSN: 0975 – 8887 National conference on Digital Image and Signal Processing, DISP 2015, pp.23-27, Feb 2015, IF: 0.715.
- 22) Aziz Makandar, Bhagirathi Halalli “**Combined Segmentation Technique for suspicious mass detection in mammography**” IEEE Xplore, (IEEE ITACT-2015) Vol.1, DOI: 10.1109/ITACT.2015.7492680, pp.1-5, 21-22 Dec 2015.

- 23) Aziz Makandara, Bhagirathi Halalli , International Journal of Current Engineering and Technology (IJCET): **“Preprocessing step- Review of Key Frame Extraction Techniques for Object Detection in Video”**. E-ISSN:2277-4106, IF:2.89,2015
- 24) Aziz Makandar and Bhagirathi Halalli **“Breast Cancer Image Enhancement using Median Filter and CLAHE”**, International Journal of Scientific and Engineering Research (IJSER), ISSN 2229-5518, Volume 6, Issue3, March 2015, IF: 3.2
- 25) Aziz Makandar and Anita Patrot, **“Computation Pre-processing Techniques for Image Restoration,”** International Journal of Computer Applications (IJCA) ISSN.0975-8887, vol.113-No.4, March 2015, IF: 0.715
- 26) Aziz Makandar and Anita Patrot, **“Overview of Malware Analysis and Detection”** International Journal of Computer Applications (0975-8887) National Conference on Knowledge, Innovation in Technology and Engineering (NCKITE 2015) July 2015, IF: 0.715
- 27) Aziz Makandar and Anita Patrot **“Malware Image Analysis and Classification using Support Vector Machine”** International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE 2015), October 27. Vol.04, No.05, PP 01-03(2015) Special issue of I CETEM 2015 on 27 October, IF: 0.378
- 28) Aziz Makandar and Bhagirathi Halalli **“Threshold Based Segmentation Technique for Mass detection in mammography”** Journal of Computer, Vol.11, No.6, November 2016, ISSN: 1796-203x, pp: 472-478. IF: 0.42
- 29) Aziz Makandar and Anita Patrot” **Texture Based Malware Pattern Identification and Classification”**, International Journal of recent and Innovation Trends in Computing and communication, Vol4, Issue 6, June 2016, IF:3.00

- 30) Aziz Makandar and Bhagirathi Halalli **“Pre-processing of Mammography Image for Early Detection of Breast Cancer”**, International Journal of Computer Applications (IJCA) ISSN: 0975 – 8887, Volume 144 – No.3, pp.11-15, June 2016 , IF: 0.715
- 31) Makandar, Aziz, and Bhagirathi Halalli. **"Classification of mass type based on segmentation techniques with support vector machine model for diagnosis of breast cancer."** In Data Management, Analytics and Innovation (ICDMAI), 2017 International Conference on, pp. 81-86. IEEE, 2017.
- 32) Aziz Makandara, Bhagirathi Halalli, **“Mammography Image Enhancement using Linear, Nonlinear and Wavelet Filters with Histogram Equalization”**, International Journal of Computer (IJC), (2017) Volume 25, No 1, pp 8-17. **IF:0.388**
- 33) Aziz Makandara, Bhagirathi Halalli, Asian Journal of Convergence in Technology(AJCT): **“VIP methods for Sports Video - an Analysis”**, Volume 3, Issue 2/Issue 3. (Presented in IEEE conference), 2017
- 34) Aziz Makandar and Ramesh K, **“Wireless Transmission of Sound between Speech Processor and Transmitter for Cochlear Implant”**, Journal of Advances in Information Technology Vol. 8, No. 1, February 2017.
- 35) Aziz Makandara, Bhagirathi Halalli, (2018). **Mammography Image Analysis Using Wavelet and Statistical Features with SVM Classifier**. In Proceedings of International Conference on Cognition and Recognition (pp. 371-382). **Springer**, Singapore.
- 36) Bhagirathi Halalli, Aziz Makandara, **Breast Cancer Histopathology Image Cluster Analysis**. International Journal of Research in Advent Technology, Vol.6, No.5, May 2018,pp. 683-687 UGC Approved No:48768
- 37) Aziz Makandara, Bhagirathi Halalli, International Journal of Research in Advent Technology(IJRAT): **“A Supervised Player Prediction and occlusion handling in sports video”**, Vol.6, No.2, May-2018E-ISSN: 2321-9637(UGC Approved Journal).

- 38) Aziz Makandar & Rashmi Somshekhar “**Approaches of PR in analyzing the Neurological Disorders : A review**” Published in International Journals of trends in Scientific Research & Development (IJTSRD) Vol 2, Issue -3 ,Impact factor 4.101 , ISSN: 2456-6470 Mar – April 2018.(UGC Approved Journal referred journal)
- 39) Aziz Makandar & Rashmi Somshekhar “**The Role of Imaging Modalities in analyzing the Neurological Disorders: A Review**” International Journal of Computer Applications (IJCA) ISSN.0975-8887(UGC approval in Process referred journal)
- 40) Aziz Makandar , Rashmi Somshekhar ,Vanishree Pattar “**Least Significant Bit Coding Analysis for audio Stenography**” Journals of Future Computing Vol.2, No 3. March 2018. (UGC Approved referred Journal).

II. International Conference

- 01) “**Neural Network Model for Classification of bulk grain samples based on color and texture**”, International Conference on Cognition and Recognition, PES College of Engineering, Mandhya, Karnataka (India), 22nd and 23rd Dec. 2005, PP 359-368.
- 02) “**Multivariable System Security using ANN in the Libraries: Design and Development**”, 4th International Convention on Dynamic and Interoperable Web based Information Systems, CALIBER 2006, 2-4, Feb. 2006, PP 607-615.
- 03) “**A Fast Motion of Moving Objects Estimation Algorithm using Winner update Strategy**”, IEEE International Conference on Signal and Image Processing (ICSIP) 2006, 7-9, Dec. 2006, B.V.B College of Engineering and Technology, Hubli, Karnataka (India), PP 832-837.
- 04) “**A Region based Segmentation of Moving Foreground Object using Winner Update Strategy**”, IEEE International Conference on Advances in Computer Vision and Information Technology (ACVIT-007), 28-30, Nov. 2007, Dept. of Computer Science and Information Technology, BAM University, Aurangabad (Maharashtra) India, PP 659-667.
- 05) “**Performance and Analysis of Wavelet Based Medical Image Compressions using EZW**”, 2nd IEEE International Conference on Advance in Computer Vision and Information Technology

(ACVIT-09), Dept. of Computer Science and Information Technology, Dr. B.A.M. University, Aurangabad (Maharashtra), India, PP 782-787.

- 06) **“Nano-Technology Services Embedded with Ubiquitous Computing for Smart Classroom”**, International Conference on Latest Trends Nano Sciences and Nanotechnology, K.B.N. College of Engineering, Gulbarga, Karnataka (India), 28-29, March 2011, PP 329-337.
- 07) **“Pseudo Solid Like Activities of Nano Combination Melts”**, International Conference on Latest Trends Nano Sciences and Nano-Technology, K. B. N. College of Engineering, Gulbarga, Karnataka (India), 28-29, March 2011, PP 260-269.
- 08) Aziz Makandar and Bhagirathi Halalli **“The Importance of Information technology in Supply Chain Management”**, Two-Day International Conference on "Strategies for Social and Sustainable Competitive Advantage in Globalized Era" on 20th and 21st June, 2014 organized by Karnataka State Women's University, Bijapur (Karnataka).20&21 June 2014,Vol 2, PP 286-292.
- 09) Aziz Makandar, Anita Patrot, **“The Role of XML for Business to Business,”** International Conference on Strategies for social and sustainable competitive Advantage in Globalized Era, 20-21 Jun 2014,20&21 June 2014,Vol 1, PP 188-192.
- 10) Aziz Makandar, Bhagirathi Halalli, Anita Patrot, Nasreen Mokashi **“Wavelet Transform in Digital Image Processing: A study”** abstract published in International Conference on Emerging Trends in Mathematical Sciences (ICETMS-2014), 25-26 July 2014.
- 11) Aziz Makandar and Bhagirathi Halalli **“Comparison of different filtering techniques for digital mammography images”** abstract published in pre-science congress-2014 on the occasion of 102nd Indian Science Congress at Mumbai. The International conference held on 30-31 December 2014 by ISCA Aurangabad Chapter, Dr.B Ambedkar Marathwad University, Aurangabad, Maharashtra.
- 12) Aziz Makandar and Anita Patrot,” **Comparison of Compression techniques-A Virtual Review”**, Pre Science Congress-2014, Conference on Science and Technology for Human Development 30-31 Dec 2014.
- 13) Aziz Makandar and Bhagirathi Halalli, **“Threshold Based Segmentation Technique for Mass Detection in Mammography”**, 5th International Conference on Information Communication and Management (ICICM 2015), Paries, France, 12-13 October 2015

- 14) Aziz Makandar and Bhagirathi Halalli “**An Efficient Preprocessing Technique for Mammography Images**” 5th IEEE IACC 2015 Organized by BMS college of engineering Bangalore. 12-13 June 2015.
- 15) Aziz Makandar and Anita Patrot, “**Malware Image Analysis and Classification using Support Vector Machine,**” International Conference on Emerging Trends in Engineering and Management (ICETEM 2015), October 27 2015
- 16) Aziz Makandar, Bhagirathi Halalli “**Combined Segmentation Technique for suspicious mass detection in mammography**” IEEE International Conference on trends in Automation, Communication and Computing Technology, (IEEE ITACT-2015) Organized by Acharya Institute of Technology, Bangalore. 21-22 Dec 2015.
- 17) Aziz Makandar, Anita Patrot, “**Texture Feature Extraction of Malware Gray Scale Image Using M-band Wavelet**” International Conference on Communication Network and Signal Processing ICCNSP-2015, ISBN:978-93-85880-73-5. PP.176-183.
- 18) Aziz Makandar and Anita Patrot, “**Malware Analysis and Classification using Artificial Neural Network,**” IEEE Proceedings. International Conference on Automation, Communication and Computing Technologies (ITACT 2015), December 22 and 23, Bangalore.
- 19) Aziz Makandar and Anita Patrot, ”**Malware Image Analysis and Effective Texture Feature Extraction Using Gray Level Co occurrence Matrix**”, 103rd Indian Science Congress ,Mysuru 2016, PP 56
- 20) Aziz Makandar, Bhagirathi Halalli “**Watershed Segmentation Technique for Abnormality Identification in Mammography**”, 103rd Indian Science Congress, Mysore January 3-7 2016, PP 55.
- 21) Aziz Makandar and Anita Patrot, “**An approach to analysis of malware using Supervised Learning Classification**”, International Conference on Recent Trends in Engineering, Science & Technology ICRTEST 2016. 25th – 27th October 2016, **IET Inspec.**

- 22) Aziz Makandar and Daneshwari M, Attended International Conference on “**Advances in Physics, chemistry, Mathematics. Computer Science, Engineering and Technology**”, held on 20th August 2016 at Anjuman Arts, Science & Commerce College & P.G Studies, Vijayapur, Karnataka.
- 23) Aziz Makandar, Bhagirathi Halalli “**Breast Cancer Detection and Classification using Microscopic Image**” *IET-International Conference on Soft Computing Techniques in Engineering and Technology (ASCTET)-2016*, Organized by St. Peter's Engineering College, Maisammaguda, Medchal, Hyderabad, India during October 25th to 27th October 2016.
- 24) Aziz Makandar, Bhagirathi Halalli “**Modified watershed segmentation technique for abnormality identification in mammography**” *Indian Science Congress 2016, Jointly organized by ISCA and University of Mysore, 03-07 Jan 2016*
- 25) Aziz Makandar and Daneshwari Mulimani, “**Key frame Extraction and Object Detection in Sports video**”. International Conference on Recent Trends in Engineering, Science & Technology ICRTEST 2016. 25th – 27th October 2016, IET Inspec
- 26) Aziz Makandar and Bhagirathi Hallali, “**Mammography Image Analysis using Wavelet and Statistical features with SVM Classifier,**” International Conference on Cognition and Recognition, ICCR 2016,30-31,Mysore, December,2016, Springer.
- 27) Aziz Makandar and Anita Patrot, “**Trojan Malware Image Pattern Classification,**” International Conference on Cognition and Recognition, ICCR 2016,30-31,Mysore, December,2016, Springer.
- 28) Aziz Makandar & Rashmi Somshekhar,” “**Approaches of Pattern Recognition in Analyzing the Neurological Disorders: A Review** “at 5th International Conference on Cognition and Recognition (IICR-2016).Organized by Maharaja Institute of Technology, Mysore. (MITM) on 30th and 3st December 2016.

- 29) Aziz Makandar and Anita Patrot,” **Malware Class Recognition using Image Processing Techniques**”, ICDMAI 2017, 24th to 26th Feb 2017, IEEE Xplorer, Puna.
- 30) Aziz Makandar, Bhagirathi Halalli “**Classification of Mass Type Based on Segmentation Techniques with Support Vector Machine Model for Diagnosis of Breast Cancer**” IEEE International Conference on Data Management , Analytics & Innovations 2017, Organized by Zeal Education Society, Narhe, Pune during 24 - 26 February 2017
- 31) Aziz Makandar and Daneshwari M, presented paper on “**VIP methods for sports video – an Analysis**”, in the “**2nd International Conference for Convergence in Technology**”, held during 7th to 9th April 2017. Paper got published in SCOPUS indexed journal ‘Asian Journal on Current Trends (AJCT)’ in volume 3, issue 3.
- 32) Aziz Makandar and Daneshwari M , Presented paper on “**Frame by Frame analysis on different cases of sports video**”, in 3rd International Conference on Computing, Communication, Control and Automation (ICCUBEA- 2017) IEEE conference in PUNE SECTION on 17th and 18th August, 2017 And received best paper award.
- 33) Aziz Makandar & Rashmi Somshekhar,” **Recognition of Parkinson’s Disease using classification algorithm for imaging Modalities: A Review**” 3rd International Conference on Computing, Communication, Control Automation (ICCUEBA), IEEE Digital Library Pune Conference 2017.

III.National Conference

- 01) “**Transfer Bitrate Analysis of JPEG 2000 with EZW Coding System**”, National Conference on Recent Trends in Information Technology Prospects, Dept. of Computer Science and Engineering, Royal Institute of Technology and Science, 3-4, Feb. 2006.

- 02) **“Medical Image Compressions using JPEG 2000 with Embedded Zero Tree Wavelet Coding”** Recent Trends in Computer Science and Information Technology, Dept. of Computer Science and Information Technology, GND College of Engineering, Bidar, Karnataka, 8-9, May 2009, PP 23-26.
- 03) **“A Critical Compression of Image Compressions Algorithms”**, Recent Trends in Computer Science and Information Technology, Dept. of Computer Science and Information Technology, GND College of Engineering, Bidar, Karnataka, India, 8-9, May 2009, PP 66-69.
- 04) **“Application of Mobile Ad Hoc Networks Routing Protocols in Wireless Sensor Set of Connection”**, National Conference on Advanced Computing and Communication (NCACC 12), Dept. of PG Studies and Research in Computer Science, 27-28, April 2012, PP 17-23.
- 05) **“Presentation Evaluation of Mobile Ad-hoc Network Routing Protocol”**, National Conference on Advance Computing and Communications (NCACC 12), Dept. of PG Studies and Research in Computer Science, 27-28, April, 2012, PP 9-15.
- 06) **“Artificial intelligence with Autonomous Agent System in E-Commerce”** National Conference on Social Aspects in Marketing Management for 21st Century, K S W University, Bijapur, pp 45-51, 21 & 22 Nov 2013
- 07) Aziz Makandar, Anita Patrot, Nasrin, **“Performance and Analysis of Artificial Intelligence and Neural Networks”**, National Conference on Recent Advances in Information Technology (NCRAIT-2014), Dept of Computer Science, Solapur University, Solapur (MS), PP 169-176, 15 & 16 Feb 2014
- 08) Aziz Makandar and Anita Patrot, **“Biometric Image Lossless Compression Techniques and its Performance”**, 7th National Women’s Science Congress, Rastriya Mahila Vijnana Sammelana, 7-9 th November 2014, Karnataka State Women’s University, Vijayapura.
- 09) Aziz Makandar and Bhagirathi Halalli **“Different Denoising Techniques for Digital Mammography Image-A Review”**, abstract published in Women science congress jointly organized by SVAK, Bangalore and KSWU, Vijayapura, 7-9 November 2014.

- 10) Aziz Makandar and Bhagirathi Halalli “**A review on preprocessing techniques for digital mammography images**”, First national conference on digital image and signal processing (NCDISP-2015) organized by Department of Computer science and Electronics Science, MIT’s MAEER arts, Commerce and Science college Pune on 12th and 13th February 2015.PP-91-95 ISBN 978-93-84916-62-6
- 11) Aziz Makandar, Anita Patrot, Bhagirathi Halalli,” **MALWARE IMAGE ANALYSIS AND EFFECTIVE TEXTURE FEATURE EXTRACTION USING GRAY LEVEL CO-OCCURRENCE MATRIX**”. Proceedings of 103rd Indian Science Congress, Mysuru, 2016 Abstracts of Oral Presentations, pp-56, 3-7 January, 2016 University of Mysore, Mysore.
- 12) Aziz Makandar, Anita Patrot,”**A Statistical Approach to Malware Class Recognition**”, National Conference on Computer Science And Information Technology (NCCSIT-2017) on 3rd to 4th March 2017, KSWU, Vijayapura.
- 13) Aziz Makandar, Bhagirathi Halalli,”**Noise reduction from Mammography using Wavelets**”, National Conference on Computer Science And Information Technology (NCCSIT-2017) on 3rd to 4th March 2017, KSWU, Vijayapura.
- 14) Aziz Makandar, Rashmi Somshekhar,”**The Role of Imaging Modalities in Diagnosis of Parkinson’s Disease**” , National Conference on Computer Science And Information Technology (NCCSIT-2017) on 3rd to 4th March 2017, KSWU, Vijayapura.
- 15) Aziz Makandar, Daneshwari Mulimani,” **Analysis of Multiple Object Detection using Kalman filter in sports video**”, National Conference on Computer Science and Information Technology (NCCSIT-2017) on 3rd to 4th March 2017, KSWU, Vijayapura.
- 16) Aziz Makandar , Rashmi Somshekhar ,Geeta Halsangi ,”**Framework for surveillance of Instant Messaging in Instant Messenger & Social networking sites Using Data Mining**” ISBN No: 978-93-84803-00-1 National Conference on Computer Science and Information Technology (NCCSIT-2017) By Karnataka Women’s University ,Vijayapura 3rd and 4th March 2017.

Place: Vijayapur

Dr. Aziz Makandar

Date: