

Bio-Data



1. Name : Dr. Manza Ramesh Raybhan

2. Designation : Assistant Professor

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<http://www.bamu.net/departments/csit/drrrm.pdf>

4. Date of Birth: 05 June 1975, **4.1 Cast:** Naykda (Scheduled Tribe)

5. Educational Qualifications (Starting from Graduation onwards):

| S.No. | Degree | University | Year | Subjects | Percentage |
|-------|--------|--|------|---|--|
| 1 | B.Sc. | Dr. Babasaheb Ambedkar Marathwada University, Aurangabad | 1996 | Physics, Chemistry and Computer Science | First Division |
| 2 | M. Sc. | Dr. Babasaheb Ambedkar Marathwada University, Aurangabad | 1998 | Computer Science | First Division 3 rd rank |
| 3 | Ph.D. | Dr. Babasaheb Ambedkar | 2006 | Image Data Compression | --- |

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|---|--------|-----------------------------------|------|----------------------------------|----------------|
| | | Marathwada University, Aurangabad | | | |
| 4 | SET | Pune University, Pune | 2002 | Computer Science and Application | --- |
| 5 | NET | UGC New Delhi | 2002 | Computer Science and Application | --- |
| 6 | MSC-IT | MKCL Pune | 2004 | Computer | First Division |

6. A. Details of professional training and research experience, specifying Period.

Professional Trainings

1. "Network Campus Cabling through Fiber Optics", 22 Jan 2002 at C-DAC Pune.
2. "Workshop on Advanced Web Based Computing", NM University, Jalgoan, 9 to 10 Feb 2002.
3. "Parallel Computing and Grid Computing", Dpet. Of CS&IT, Dr. BAMU Aurangabad, 21 to 22 Jun 2002.
4. "Implementation of DSP Algorithm Using MATLAB and TMS320C5402", Dpet. Of Electronics JNEC Aurangabad, 21 to 23 Feb 2003.
5. "OOAD with UML" Dept of CS and E GCO Engineering Aurangabad, 19 to 20 Aug 2003.
6. "Rational Rose", 25 to 29 Aug 2003, at Rational Software Development Company, Pune.
7. "MATLAB 6.5 and Applications", Dept of E&T, GCO Engineering, Aurangabad, 21 to 22 Feb 2004.
8. "Satellite Data Processing (Remote Sensing Applications)", RGBA, SBLC and RBS College, Jalna, 14 to 15 March 2005.
9. "Wavelet and Advanced Wavelet", Three Days Training during 31-01-2006 to 02:02:2006, at Govt. Engineering College, Aurangabad-India.
10. "Embedded System and its Applications", Dept. of CS and IT, Dr. BAMU, Aurangabad, 7 March 2006.

11. "Software 2.0 Emerging Competencies for Enterprise Solution and Knowledge Based Engineering (KBE)", Organized by Computer Society of India, Division-II (Software) and CSI Aurangabad Chapter on 9th October 2010.
12. Five Days Training on "IPR and WTO issues" at ATI, BARC, Mumbai from January 9-13, 2012, organized by Patent Facilitating Centre (PFC), Technology Information Forecasting and Assessment Council (TIFAC) Department of Science & Technology, A Wing Vishwakarma Bhawan Shaheed Jeet Singh Marg, New Dlehi –110016
13. Two Days Training on Introduction to COMSOL Multiphysics and COMSOL Advanced Features, organized by COMSOL Multiphysics Pvt. Ltd. Esquire Centre, C-Block 3rd Floor, No. 9 MG Road, Bangalore-560001, at New Bridge Business Center, 1st floor, Parinee Crescenzo, C38 and C39, G Block, Bandra curla Complex, Bandra-E, Mumbai-51, during 23rd and 24th Feb 2012.

Refresher Courses

Four Refresher Courses in Computer Science,

1. First at Shivaji University Kolhapur during 3 to 24 Nov 2003,
2. Second JNTU Hyderabad at during 17 Jan to 2 Feb 2005, and
3. Third at Dr. BAM University, Aurangabad during 7th March 2009 to 28rd March 2009.
4. Fourth at Dr. BAM University, Aurangabad during 8th March to 28th March 2011.

Orientation Courses

1. One Orientation Course at Dr. BAM University, Aurangabad during 2 Jan to 29 Jan 2007.

Lecture Delivered

- 1) Effective Teaching on CS and IT, Deogiri College Aurangabad, 10 Feb 2008.
- 2) Campus Interview Preparation on Operating System at Hitech Engg. College, Aurangabad, 4 March 2008.
- 3) SET-NET Coaching, Dept of CS, NMU Jalgoan, 21 to 22 May 2008.
- 4) Symposium on CS and IT, VN College, Aurangabad, 10 Dec 2007.
- 5) M-Commerce at Wadia College, Pune, 24 to 26 Dec 2007.
- 6) Microprocessor-8086, VN College, Aurangabad, 14 to 16 Jan 2005.
- 7) Effective Teaching on Image Processing, Deogiri College Aurangabad, 21 September 2011.
- 8) SET-NET Preparation, Solapur University, Solapur Jan 2011 on Image Processing

- 9) SET-NET Preparation, Deogiri College, Aurangabad 25/11/2011 and 01/12/2011 on Image Processing and Computer Networking
- 10) Image Processing Using MATLAB on 13-02-2012 at Dr. G. Y. Patharikar College of IT, MGM campus, Aurangabad.
- 11) Student Orientation in valedictory function of Computer Science Club Program on 29-02-2012 at S. B. Science College, Aurangabad.

Positions

- 1) Treasurer of National Conference on “Computer Communication and Security”, 4th to 5th Jan, 2004, organized by our Department.
- 2) Treasurer of Workshop on “E-Education”, 16th Sept.2004, organized by our Department.
- 3) Secretary of International Conference on “Advances in Computer Vision and IT”, November 28 to 30, 2007, organized by our Department.
- 4) Secretary of International Conference on “Advances in Computer Vision and IT”, 16th to 19th Dec, 2009, organized by our Department.
- 5) Joint Secretary of International Conference on “Knowledge Engineering”, 29th to 31st Jan, 2011.
- 6) Coordinator of One Day Workshop on Open Source Quantum GIS, organized by Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, 3rd September, 2011.
- 7) Jury for Evaluation of Project Proposals in AVISHKAR 2010 and AVISHKAR 2011, 28-29 Dec at North Maharashtra University, Jalgoan.
- 8) Co-Coordinator of M. Phil in Computer Science Course.
- 9) Co-Coordinator of NACC of Department of Computer Science and IT 2011-2012.
- 10) Co-Coordinator of TPO of Department of Computer Science and IT.

Key Note Address

- 1) Key Note Address on “Mobile learning decreases limitation of learning location with the mobility of general portable devices” at Bharti Vidyapeeth University’s IMRDA, Sangali, at National conference on ‘Information Technology and Management Practices: Past Present and Future’. The conference was held during February 20 and 21, 2009.
- 2) Key Note Address on “Budding mCommerce lifestyles and its Authentication”, Recent Trends in Information Technology and Education for Undergraduate Computer Teachers, Under CPE Scheme of UGC, New Delhi held on 21st & 22nd March, 2008, Chh. Shahu Institute of Business Education & Research (SIBER), Kolhapur.

3) Keynote address on “Various Aspects of Image Data Compression”, National Conference at COCSIT, Latur, 18-19 Feb 2008.

4) Delivered lecturer on Computer Application in Orientation Courses during 2004 to 2009.

5) Keynote Address on “Novel Ideas of Image Compression:”, State Level Seminar on Emerging Trends In Information Technology, organized by Pratibha College of Commerce and Computer Studies, Chinchwad, Pune, during 12th Jan to 13th Jan 2011.

6) Keynote address on “Digital Image Processing Using MATLAB”, One Day Workshop on Effective Teaching, organized by Deogiri college, Aurangabad, on 21 August, 2011.

7) Keynote address on “Research Paper Writing Skills”, Workshop on Research in computer Science at IMR Jalgoan, 22-10-2011.

Fellow:

1. FIETE: Institute of Electronics and Telecommunication Engineers, New Delhi.

Life Member:

1. IAEng: International Association for Engineers and Computer Scientists, Hong Kong

2. CSTA: Computer Science Teachers Association, New York

3. IACSIT: International Association of Computer Science and Information Technology, Singapore

4. ISCA: Indian Science Congress Association, Kolkata

5. ISSS: Institute for Smart Structures and Systems (MEMS), IISc Bangalore

6. Member of IEEE: Institute of Electrical and Electronics Engineers, USA

Areas of Specialization:

Medical Image Processing, Computer Vision, Remote Sensing, Nano Robotics, MEMS, Microprocessor, Networking.

Editorial Board Member

1) Editorial Board Member of International Journal of Computer Science and Information Technology, Serial Publication New Delhi, ISSN: 0974-8385.

2) Editorial Board of International Journal of Information Systems, Publish by SIMCA, ISSN: 2229-5429.

Member Board of Studies

1) Computer Science, Solapur University, Solapur, Jun 2010.

2) Ad-hoc Board in Networking and Multimedia during Jan 2011 to 2013.

3) Ad-hoc Board in Computer Science and IT during 19-02-2011 to 18-05-2013.

Awards:

1. M. Sc. Computer Science Exam Rank 3rd Merit Award by Vivekanand College, Aurangabad, March 1998.

2. “Shikshak Pratibha” award on 5th Sept. 2008 by Dept of Journalism, Dr. BAMU Aurangabad.

3. "Vidyaratna" award on 31 October 2010 by Indian NET-SET Association, Gadgenagar Amravati.

B. Details of employment (past & present).

- 1) Lecturer from 1st Sept 1998 to 30 Aug 2001 at Vivekanand College, Aurangabad.
- 2) Assistant Professor from 1st Sept 2001 to till date at Department of Computer Science and IT, Dr. BAM University, Aurangabad.

C. List of publications

List of Publications

Journals:

1. Ramesh R. Manza, Neha Deshpande, Manjiri B. Patwari, "A Critical review of expert systems for detection and diagnosis of Diabetic retinopathy", *International Journal of Research and Reviews in Applicable Mathematics & Computer Science*, Vol. 1, No.4, 2011. ISSN 2249-8931.
2. Raut Shriram Dagadu, R. R. Manza, "Palm Authentication by Using Statistical Properties", *International Journal of Computer Information Systems*, Silicon Valley publishers, September 2011, Volume 3. Issue 3, ISBN: 2229-5208.
3. Raut Shriram Dagadu, R. R. Manza, "Biometric Identification of Individual Using Statistical Properties of Palm", *International Journal of Machine Intelligence*, ISSN: 0975-2927 & E-ISSN: 0975-9166, Impact factor value: ICV: 4.45,
4. Bharat Gaikwad, R. R. Manza, "A Critical review on video scene segmentation and Recognition", *International Journal of Computer Information Systems (IJCIS)*, Vol 3, and Number 3, September 2011.
5. M. M. Kazi, A. V. Mane, R. R. Manza, K. V. Kale, "Comparison of Fingerprint Enhancement Techniques through Mean Square Error and Peak-Signal to Noise Ratio", *International Journal on Computer Science and Engineering (IJCSE)*, Vol. 3 No. 1 Jan 2011, ISBN:0975-3397.
6. A. B. KADAM, R. R. MANZA AND K. V. KALE, "NOVEL APPROACH FOR MICROARRAY SEGMENTATION USING TWO SHAPED FLAT STRUCTURING PERIODIC LINE AND SPECIFIC DISTANCE SHAPED MORPHOLOGY", *International Journal of Computers, Information Technology and Engineering*, Volume 4 • Number 2 • December 2010 • pp. 87-96.
7. G. M. Magar, S. S. Gornale, V. T. Humbe, R. R. Manza, Dr. K. V. Kale, "Exploiting Multiwavelets for Lossy Compression in SAR Imaging", *International Journal of Computer Applications and Business Intelligence*

(IJCABI), ISSN 0975-0945X, Volume: 01, Issue: 04, October – December 2010 issue, pp: 31-40.

8. “Fingerprint Image De-noising Using Multi-Resolution Analysis(MRA) through Stationary Wavelet Transform(SWT) Method” International Journal of Knowledge Engineering, ISSN: 0976–5816 & E-ISSN: 0976–5824, Volume 1, Issue 1, 2010. Impact Factor ICV 4.50
9. “Wavelet and Multiwavelets based Synthetic Aperture Radar (SAR) Image compression” VNSGU Journal of Science and Technology, ISSN 0975-5446 Vol.2 Issue:1 June-2010.
10. Shaikh Abdul Hannan, R. R. Manza, R. J. Ramteke, “Generalized Regression Neural Network and Radial Basis Function for Heart Disease Diagnosis”, International Journal of Computer Applications (IJCA) Vol. 7, No. 13, **October 2010** Edition. New York, USA. **ISSN: 09758887**.
11. Shaikh Abdul Hannan, V.D. Bhagile, R. R. Manza and R.J. Ramteke, “Expert System for Diagnosis and Appropriate Medical Prescription of Heart Disease Using Radial Basis Function”, CiiT International Journal of Artificial Intelligent Systems and Machine Learning, August 2010, ISSN 0974–9667 & Online: ISSN 0974–9543.
12. Shaikh Abdul Hannan, V. D. Bhagile, R. R. Manza, R. J. Ramteke, "Development of an Expert System for Diagnosis and appropriate Medical Prescription of Heart Disease Using Support Vector Machine and Radial Basis Function", International Journal of Computer Science and Information Security, (IJCSIS) August issue (Vol. 8 No. 5), 2010, Pages/record No.: 245-254. **ISSN: 19475500**
13. Shaikh Abdul Hannan, V. D. Bhagile, R. R. Manza, R. J. Ramteke, "Diagnosis and Medical Prescription of Heart Disease Using Support Vector Machine and Feed forward Back propagation technique", INTERNATIONAL JOURNAL ON COMPUTER SCIENCE AND ENGINEERING, ISSN: 0975–3397, Engg. Journals Publications, IJCSE – August 2010, Vol. 2, Issue 6.
14. Kadam A. B., Manza R. R. and Kale K. V., "MICROARRAY SPOT DETECTION USING FLAT STRUCTURING PERIODIC LINE AND SPECIFIC DISTANCE SHAPED MORPHOLOGY", Bioinfo. Publications, International Journal of Machine Intelligence, Vol. 1, Issue 2, 2009, pp. 5-9. **(ICV 4.45)**
15. “Application of Multi-Resolution Techniques for Medical Image Compression”, International Journal of Imaging Science and Engineering, Vol. 3, No. 4 Oct 2009.

- 16.** S. C. Tamane, R. R. Manza and R. R. Deshmukh, "Digital Watermarking using Image Fusion Method", International Journal of Recent Trends in Engineering, Volume 1 May 2009 ISSN 1797-9617.
- 17.** Ganesh K. Awasthi, Shaikh Abdul Hannan & R. R. Manza, "Comparative Study of Quadtree Decomposition and Region Growing Technique for Identification of Image Boundaries", Pages: 203-207, Journal of Advanced Research in Computer Engineering: An International Journal, July to December 2009.
- 18.** Shaikh Abdul Hannan, Ramesh Manza, R. J. Ramteke, "Heart Disease Relationship Between Disease, Symptoms, Medicine and its Side Effects", International Journal of Computational Intelligence, Vol. 3, No.2, July-December 2009, pp. 289-292.
- 19.** Shaikh Jameel, Shaikh Abdul Hannan, Ramesh Manza, "An Emerging Biometric Technology for Personal Identification in Iris Recognition System", Journal of Advance Research in Computer Engineering: An International Journal ", July to December 2009,
- 20.** Priya Chaudhary, Shaikh Abdul Hannan, Ramesh Manza "Program analysis and Code Optimisation using Syntax Analyser", "International Journal of Artificial Intelligence and Computational Research (IJICR)", 1(2), 2009, pp. 101-106, July to December 2009.
- 21.** Avinash Kadam, Ramesh Manza, K. V. Kale, "MICROARRAY SPOT DETECTION USING FLAT STRUCTURING NON-NEGATIVE INTEGER, SCALAR AND SPECIFIC WIDTH SHAPED MORPHOLOGY", Journal of Advance Research in Computer Engineering: An International Journal ", July to December 2009.
- 22.** Manza R. R. Humbe V. T. "Frequency Domain Techniques and Image Data Compression", Skyline Business Journal, A Research Publication of Skyline College, Sharjah, United Arab Emirates, Vol. II, No. 2, Spring 2006, PP. 37-40.
- 23.** Prapti D. Deshmukh, R.R.Manza, Vikas Humbe, K.V.Kale, "Medical Image Enhancement using Heterogeneous Approach", Science Journal, Dr. BAM University, Aurangabad. Volume V, Pg. No. 23-28, July, 2006
- 24.** S. S. Gornale, R. R. Manza, Vikas Humbe and K. V. Kale, "Performance analysis of biorthogonal wavelet filter for lossy fingerprint image compression" International Journal on Imaging Science and Engineering (IJISE), Vol.2 April 2007.
- 25.** K.V.Kale, Ramesh Manza, S.S.Gornale, and Vikas Humbe "Noisy and Noiseless Fingerprint Image Compression using Wavelet" IT Review, Journal

of Information Technology and Computer Science, Vol. 1 No. 1, PP. 46-50, March 2005.

26. S. S. Gornale, R. R. Manza, Vikas Humbe and K. V. Kale, "The role of ICT in realizing the goal of e-governance: The Indian Perspective", Journal of SIOM, Pune, Vol 1, PP. 15-21, Jun 2007.
27. K.V.Kale, Ramesh Manza, S.S.Gornale, and Vikas Humbe, "The Role of Information Technology in Rural areas: To Strengthen the nation" IT Review, Journal of Information Technology and Computer Science, Vol. 1 No. 1, PP. 31-34, March 2005.
28. K.V.Kale, Ramesh Manza, S.S.Gornale, and Vikas Humbe "Mathematical Morphology Approach for Genuine Fingerprint Feature Extraction", International Journal of Computer Science and Security, Volume 1, Issue (2),2007, Pages/record No.: 53-59. **ISSN**: 19475500.
29. K.V.Kale, Ramesh Manza, S.S.Gornale, and Vikas Humbe, "Fingerprint Image Compression using Retain Energy (RE) and Number of Zeros (NZ) through Wavelet Packet (WP)", International Journal of Computer Science and Security, Volume 1, Issue (2),2007.
30. "Efficient Use of storage and Communication bandwidth using Image Data Compression", Dr. B.A.M. University Science Journal, Dr. B.A.M. University Aurangabad, PP118-126. 2002.
31. "The Role of Similarity Measures in Face Recognition", International Journal of Computer Science and Application (IJCSA-10) ISSN 0974-0767. .
32. "Human Face Recognition Using Superior Principal Component Analysis (SPCA)", IJCTE IACSIT (Accepted).
33. "Feature Normalization for PCA based Face Recognition" Journal Expert Systems with Applications, Elsevier (Communicated).

Conferences:

1. Harish Khodake, Manza R. R. "Pattern Matching and analysis of handwritten digits", International Conference on Advances in Computing and Management on 06-08-01-2012 at Dr. D.Y. PATIL, Pune.
2. Pritesh Shah
3. Raut Shriram D. Swami Mahesh K. Manza Ramesh R., "Biometric Identification of Individual using Statistical Properties of Palm", U.G.C. Sponsored Two Day State Level Seminar on "RECENT TRENDS IN LIBRARY AND COMPUTER SCIENCE", Feb 17 to 18, 2011, at V.N.S.P.M's, Vasant Rao Naik Mahavidyalaya, Aurangabad.
4. Nadiya S. Khan, Sonali D. Dhavre, Anita G. Khandizod, R.R. Manza, "Palm Image Segmentation by Using Edge and Region Detection", U.G.C. Sponsored Two Day State Level Seminar on "RECENT TRENDS IN LIBRARY AND

- COMPUTER SCIENCE”, Feb 17 to 18, 2011, at V.N.S.P.M’s, Vasantrya Naik Mahavidyalaya, Aurangabad.
5. Shaikh Abdul Hannan, A.V. Mane, R. R. Manza and R. J. Ramteke, “Prediction of Heart Disease Medical Prescription Using Radial Basis Function”, IEEE International Conference on Computational Intelligence and Computing Research at Tamilnadu College of Engineering, Coimbatore, Tamilnadu, India, ICCIC-2010, December 28-29, 2010.
 6. Shaikh Abdul Hannan, V. D. Bhagile, R.R. Manza, R. J. Ramteke, “Heart Disease Diagnosis By Using FFBP algorithm of Artificial Neural Network”, International Conference on Communication, Computation, Control and Nanotechnology, ICN-2010 Organized by Rural Engineering College Bhalki-585328, during October 29-30, 2010.
 7. “Segmentation of Remote Sensing Image for Identification of Vegetation”, Map Asia 2010, 9th Annual Asian Conference and Exhibition on Geospatial Information, Technology and Application, International Conference, July 26th to July 28th 2010, at Kuala Lumpur Convention Centre, Kuala Lumpur, Malaysia.
 8. “Analysis of Principal Component Analysis (PCA) based Face Recognition: Effects of Similarity Measure”, First International Conference on VLSI, Communication, Computation And Security, Karunya University, Coimbatore, Tamil Nadu 2010.
 9. “Human Face Recognition Using Superior Principal Component Analysis (SPCA)”, International Symposium on Computer Engineering & Technology (ISCET), RIMT - IET , Mandi Gobindgarh 2010.
 10. “Rank Normalization for Principal Component Analysis Based Face Recognition”, NCETACS, 2010 Shillong.
 11. Shivanand S. Gornale, Vikas Humbe, Ganesh Magar, Ramesh Manza, K.V. Kale, “Fingerprint Image De-noising through Decimated and Un-Decimated Wavelet Transforms (WT)”, IEEE Sponsored International Conference Future Computer and Communication (ICFCC 2009) Kualal Lumpur, Malaysia 3-5th April-2009 ISBN: 978-1-4244-3754-2(IEEE Explorer)
 12. R. R. Manza, “Methods Used in TTS for Indian Language: Review”, National Conference on “Recent Trends in Information Technology (RTIT-2009), organized by Dept of CS, Govt College Mandya, 4-5 Sept 2009.
 13. R. R. Manza, “Bitmap Images and Compression with Various Fonts in Data Hiding”, National Conference on “Recent Trends in Information Technology (RTIT-2009)”, organized by Dept of CS, Govt College Mandya, 4-5 Sept 2009.
 14. R. R. Manza, “Application of Multi-resolution Technique for SAR Image Compression”, National Conference on “Recent Trends in Information

- Technology (RTIT-2009), organized by Dept of CS, Govt College Mandya, 4-5 Sept 2009.
15. Sharvari C. Tamane, R.R. Manza, R.R. Deshmukh, "3-D Model Watermarking Using Fuzzy Logic," Advances in Computing, Control, and Telecommunication Technologies, International Conference on, pp. 195-197, 2009, Trivandrum, Kerala, India December 28-December 29 ISBN: 978-0-7695-3915-7.
 16. Ramesh Manza, Hannan Abdul, "Data mining for Heart Patient and its medical prescription", International Conference on Advanced Computing ICAC-09. CAUVERY COLLEGE FOR WOMEN & Bharathidasan University Technology Park 6 -8 August 2009. Annamalai Nagar, Tiruchirappalli - 620 018, Tamilnadu , India
 17. Shivanand S. Gornale, Vikas Humbe, Ramesh Manza, K.V. Kale, "Lossless Image Data Compression through LU Decomposition", IEEE Sponsored International Conference on Advances in Computer Vision and Information Technology (IEEE-ACVIT-09) 16th-19th December,2009, Aurangabad (MS)-India (Accepted for ORAL Presentation).
 18. Shaikh Abdul Hannan, Pravin Yannawar, R.R. Manza, Ganesh R. Manza, R. J. Ramteke, "Association Rules for Filtering the Medicine to Avoid Side Effect of Heart Patient", IEEE Sponsored International Conference on Advances in Computer Vision and Information Technology (IEEE-ACVIT-09) 16th-19th December,2009, Aurangabad (MS)-India (Accepted for ORAL Presentation).
 19. R.R. Manza, "Data Mining Techniques for verification of medicine contents related to Cardiac Problems", Third International Conference on Information Processing (ICIP-09) August 07-09,2009,Bangalore.
 20. R.R. Manza, "Relationship between symptoms, medicine and side effects for Heart Patients", ICSIP 2009, International Conference on Signal & Image Processing Organized by Vidya Vikas Institute of Engineering & Technology, Mysore, India form 12-14 August 2009.
 21. R.R. Manza, "RELATIONSHIP OF BITMAP IMAGES WITH VARIOUS FOTNS", ICSIP 2009, International Conference on Signal & Image Processing Organized by Vidya Vikas Institute of Engineering & Technology, Mysore, India, 12-14 August 2009.
 22. "*Application of Multiresolution Technique for SAR image compression*", **Proceeding of National conference on Recent Trends in Information Technology**, Govt. College Mandya (KA) 2009
 23. R.R. Manza, "TECHNIQUE FOR TEXT TO SPEECH IN INDIAN LANGUAGE: REVIEW", ICSIP 2009, International Conference on Signal & Image Processing Organized by Vidya Vikas Institute of Engineering & Technology, Mysore, India form 12-14 August 2009.

24. R.R. Manza, "Data mining technique for Cardiac problems using symptoms, medicine and its side effects", ITBI - 2009, International Conference on Information Technology and Business Intelligence (ITBI 09) November 6-8, 2009, IMT, Nagpur, India (Best Paper Award).
25. R.R. Manza, "Mobile learning decreases limitation of learning location with the mobility of general portable devices" at Bharti Vidyapeeth University's IMRDA, Sangali, at National conference on 'Information Technology and Management Practices: Past Present and Future'. The conference was held during February 20 and 21, 2009.
26. R.R. Manza, "Fingerprint Image Denoising through Decimated and Undecimated Wavelet Transform" at International Conference on Future Computer Communication Organized by University of Putra, Malaysia during 03 to 05 April 2009, pp550-553.
27. R.R. Manza, "Comparative Analysis of Multiresolution Analysis (MRA) Techniques for Multiplicative Speckle Noise Reduction of Synthetic Aperture Radar (SAR) Images" at International Conference on Managing Next Generation software Applications Organized by Department of Computer Applications, School of Science and Humanities, Karunya University, Coimbatore-641114, Tamilnadu, India during 05-06 December 2008.
28. *Aparna Ambadas Joshi, Ramesh Manza*, "Critical analysis of i-b-p frames for video compression", NCAFIS' 08 ,NATIONAL CONFERENCE ON ARCHITECTURING FUTURE IT SYSTEMS 17-18 October 2008 Organized By: DEVI AHILYA UNIVERSITY School of Computer Science & Information Technology Jointly with School of Electronics Indore (MP)-452001, India.
29. "Detection of Drug Resistant tuberculosis Bacteria Using Microarray Analysis Spotfinder", National Conference on Emerging Trends in Information Technology, 28 to 29 Jan 2008, Dept. of Information Technology, PES College of Engineering, Aurangabad (MS) India.
30. "Centering and Realignment of MRI Images Using Bisection Algorithm", National Conference on Emerging Trends in Information Technology, 28 to 29 Jan 2008, Dept. of Information Technology, PES College of Engineering, Aurangabad (MS) India.
31. "Neurotransmitter: An Advanced Techniques of Neurotransmitter on Chemical Science", National Conference on Emerging Trends in Information Technology, 28 to 29 Jan 2008, Dept. of Information Technology, PES College of Engineering, Aurangabad (MS) India.

32. "Integrated Biochip: An Impact of Nanotechnology on Biomedical Science", National Conference on Emerging Trends in Information Technology, 28 to 29 Jan 2008, Dept. of Information Technology, PES College of Engineering, Aurangabad (MS) India.
33. "Use of Nanotechnology to Detect Effect of Pollution", National Conference on Emerging Trends in Information Technology, 28 to 29 Jan 2008, Dept. of Information Technology, PES College of Engineering, Aurangabad (MS) India.
34. "Human Computer Interaction for Handicap Person", National Conference on Emerging Trends in Information Technology, 28 to 29 Jan 2008, Dept. of Information Technology, PES College of Engineering, Aurangabad (MS) India.
35. R.R. Manza, "Evaluation And Selection of Wavelet Filters for De-Noising Medical Images Using Stationary Wavelet Transform (SWT)", International Conference on Systemics, cybernetics and informatics, Hyderabad, India. 3 to 7 Jan-2007.
36. S.S.Gornale, V.T.Humbe, S.S.Jambhorkar, Pravin Yannawar, R.R.Manza, K.V.Kale, "Multi-Resolution System for MRI (Magnetic Resonance Imaging) Image Compression: A Heterogeneous Wavelet Filters Bank Approach", IEEE Proceedings of CGiV07-4th International Conference Computer Graphics, Imaging and Visualization(CGIV-07) 14, 15 - 17 August 2007, PP. 495-500, Bangkok, Thailand,
37. R.R. Manza, "A Novel Approach For Segmentation of Good, Normal and Bad Quality Fingerprint Image" IEEE TENCON 2006, Hong Kong.
38. R.R. Manza, "An Adaptive Algorithm For Segmentation Of Low Quality Fingerprint Image", IEEE ICSIP'06, International Conference On Signal And Image Processing, Hubli (India), Vol. 2, PP. 826-831, Dec-2006
39. R.R. Manza "Synthetic Aperature Radar (SAR) Image Compression Through Wavelet (W), Wavelet Packet (WP)" IEEE ICSIP'06, International Conference On Signal And Image Processing, Hubli (India), Vol. 1, PP. 402-406, Dec-2006.
40. R.R. Manza, "Noise Removal Of Medical Images Through Decimated And Undecimated Wavelet Transforms", IEEE ICSIP'06, International Conference on Signal And Image Processing, Hubli (India), Vol. 1, PP.103-106, Dec-2006.
41. R.R. Manza "Uneven Background Extraction And Segmentation Of Good, Normal And Bad Quality Fingerprint Images", IEEE 14th International Conference On Advanced Computing & Communications, ADCOM2006, PP. 222-225, Dec. 20-23, 2006.
42. "E-Elections of University Authorities: Dr. Babasaheb Ambedkar Marathwada University, Aurangabad as per Maharashtra University Act 1994" in **Proc. of**

- National conference (CSIP) Organized by J. N. E. College, Aurangabad, 2006.**
43. R.R. Manza, "Human Face Recognition for Digital Right Management: An Overview", in Proc. of National Conference on Emerging Trends in Information Technology, Baramati, Pune, September 2006.
 44. R.R. Manza, "Need of Microarray Image analysis Technique: An Overview", in Proc. of National Conference on Emerging Trends in Information Technology, Baramati, Pune, September 2006.
 45. R.R. Manza, "Role of Computer Science and IT in Bioinformatics", n Proc. of National Conference on Emerging Trends in Information Technology, Baramati, Pune, September 2006.
 46. R.R. Manza, "SWT based Composite Method for Fingerprint Image Enhancement", IEEE 6th International Symposium on Signal Processing and Information Technology, Vancouver Canada, 27-30 August 2006.
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 71. "Role of Information Technology in Enhancing Socio-Economic Developments", International Conference on ICT for Education and Developments, Organized by All India Society for Electronics and Computer Technology and Dr. C. V. Raman University, Raipur, during 16-18 December 2004 at Bhopal.
 72. "Performance analysis of Wavelets to Multiwavelets for Noisy image Compression", In proc. Of National conf. on Geometry, Analysis, Fluid Mechanics & Computer Applications, PP. 183-189, December 2004, kuvempu, Karanataka, India.
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Dept. of Computer Science, North Maharashtra University Jalgaon(M.H.) and Loksevak Madhukarrao Chaudhari Amrut Mohatsav (75th Birth Anniversary) Committee, Jalgaon(M.H.).

74. "Human Face Recognition for Digital Rights Management: An Overview", Proceeding of National conference on Emerging Trends in Information Technology, VIIT Baramati 29 to 30 Sept 2006.
75. Manza R. R. "Electronic Education for E-Commerce", State level Conference on The Role of E-Commerce in Industries and Trade, Deogiri College, Aurangabad, 10 to 11 March 2002.
76. Manza R.R., Deshmukh P.D., Kale K.V. "Biomedical Image Compression of the Graphics Interchange Format (GIF) Using LZW Approach of the Dictionary Techniques" In 35th IETE MID-TERM SYMPOSIUM which will be held on 03-04 April 2004, IETE local chapter Nagpur.
77. Manza R.R., Deshmukh P.D., Kale K.V. "Lossless Compression of Biomedical Images Using Huffman Coding of 2-dimentional DWT and Uniform Scalar Quantization Process". In 35th IETE MID-TERM SYMPOSIUM which will be held on 03-04 April 2004, IETE local chapter Nagpur.

Books:

1. "*Computer Communication and Security*", Renuka Prakashan, Aurangabad, March 2006.
2. "*Advances in Computer Vision and Information Technology*", IK Publication New Delhi, Nov 2007.
3. "*Computer Vision and Information Technology Advances and Applications*", IK Publication New Delhi, Dec 2009.
4. "*Knowledge Engineering*", Narosa Publishing House, New Delhi, Jan 2011.

Project Completed:

1. Minor Research Project on "**Development of Biomedical Monitoring System for Diabetes Using Nanorobotics**", 2008-09.

Project Ongoing:

1. Diabetic Retinopathy using image enhancement and segmentation technique to avoid Angiography.
2. Diabetic level monitoring based on blood flow pattern without taking blood samples.
3. MEMS for Retina Prothesis to replace Retina and Regenerative of Retina using Nano Technology
4. Design of Preferential Voting Machine

List of Students Completed M.Phil.

| Sr. No. | Name of Student | Topic | Year |
|---------|-------------------------------|--|------|
| 1. | Miss. Swapnaja Rangnath Gadre | Centering and Realignment of 3D MRI Images using Genetic Algorithm | 2008 |
| 2. | Aparna Vinayak Kulkarni | Enhancement of mammographic images for medical diagnosis by using gray level transformation. | 2008 |
| 3. | Jadhav Mukti Eknathrao | Detection of Drug Resistant Tuberculosis Bacteria Using Microarray analysis | 2008 |
| 4. | Ms. Seema Wadte | Cognitive Science a Methodological Framework for Social Development | 2008 |
| 5. | Mr. Aqueel Ahmed | Representation of Graphical Data in GIF | 2008 |
| 6. | Ms. Vaishali Kulkarni | Digital Rights of Documents to Digital Signature | 2008 |
| 7. | Abdul Hannan | Association Rules of Data Mining techniques for verification of medicine contents related to Cardiac Problems. | 2009 |
| 8. | Ms. Rupali P. Patil | A case study on Computer Aided learning to improve primary education in rural area | 2009 |
| 9. | Ms. Priya Dilip Chaudhari | SOURCE CODE ANALYZER TO ANALYZE PROGRAM BASED ON SYNTAX TREE APPROACH | 2009 |
| 10 | Ms. Shubhashree S. Savant | Color Edge Detection Using Gradient | 2010 |

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