

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY
Gandipet, Hyderabad 500 075

FACULTY PROFILE

1. JNTUH REGISTRATION ID : 02150403-220700
2. NAME : M. RAMA BAI
3. DATE OF BIRTH : 07-08-1972
4. DESIGNATION : Professor
5. YEARS OF EXPERIENCE : 20 Years
6. EMAIL ID : rama@mgit.ac.in
7. UG DEGREE : B.E(CSE)
8. PG DEGREE : M.Tech(CSE),Ph.D
9. PH.D (AREA OF THE PH.D WORK) : Image Processing



10. SUBJECTS TAUGHT:

Computer Programming in C, Data Structures through C++, Design and Analysis of Algorithm, Operating Systems, Computer Networks, Computer Graphics, Automata and Compiler Design, Data Base Management Systems, Software Engineering, Information Retrieval System, Data Mining and Data Warehouse, Advanced Data structures, Neural Networks, Image Processing, Advanced Data Bases, Principles of Programming Language, Software Design Methodologies, Cloud Computing

11. PAPER PUBLICATIONS IN INTERNATIONAL JOURNALS : [28]

- **M.RamaBai**, “A New Approach For Border Extraction Using Morphological Methods“, published in **International Journal of Engineering Science and Technology**, Vol. 2, Issue 8, pp. 3832-3837, 2010, ISSN: 0975-5462 .
- **M. Rama Bai**, Dr.V.Venkata Krishna and V.VenkatRao “A new morphological approach for recognizing numerals using synthesis method,” published by **International Journal of Computer Engineering and Computer Application**, Vol. 3, Issue No 1, pp.36-45, June 2010, ISSN: 0975-5462
- **M Rama Bai** , Dr V Venkata Krishna and J Sree Devi “A new Morphological Approach for Noise Removal cum Edge Detection,” published by **International Journal of Computer Science Issues**, Vol. 7, Issue 6, pp. 187-190, November 2010.

ISSN (Online): 1694-0814

- DrV.Venkata Krishna, **M.RamaBai** and Dr.VakulabharanamVijaya Kumar “Extraction of Shape Components for Classification of Textures Based on Texture Elements,” published by International Journal of Computer Science and Network Security, VOL.11 No.2, pp. 114-120, February 2011.
- **M.RamaBai**, Dr.V.Venkata Krishna and J.SasiKiran “Morphological Shape features for Classification of Textures based on Fuzzy Texture Element,”published by International Journal of Computer Applications, Vol.19, No.7, pp 22-30, April 2011.
- B.Sujatha, Dr.V.Vijaya Kumar, **M.Rama Bai** “Morphological primitive patterns with grain components for child and adult age classification,”published by International Journal of Computer Applications, Vol.21, No.3, pp.50-55, May 2011.
- DrV.Venkata Krishna, **M.RamaBai**, “Morphological Boundary Based Shape Representation Schemes on Moment Invariants for Classification of Textures”,published by International Journal of Computer Science and Communication Vol. 3, No. 1, January-June 2012, pp. 125-130.
- **M.RamaBai** and DrV.Venkata Krishna ”A Novel Approach for Classification of Textures through Morphological skeleton based Shape Representation Schemes on Moment Invariants,” published by CiiT International Journal of Digital Image Processing Print: ISSN 0974 – 9691 & Online: ISSN 0974 – 9586, March 2012.
- Dr M Ashok , J SreeDevi and **Dr M Rama Bai**, “An Approach to Noisy Image skeletonization using morphological method,”published by International Journal of scientific & Engineering Research Vol 3,Issue 9, Sep-2012.
- M.RamaBai, “A New Approach for Face Recognition and Age Classification using LDP,”published by International Journal of scientific & Engineering Research Volume 4, Issue 6, pp.2136-2141, June-2013.
- M.RamaBai,“Composite texture shape classification Based on morphological skeleton and Regional moments,”published by Signal& image processing : an international journal (SIPIJ) Vol.4, No.3, pp.31-43, June 2013.
- M.RamaBai, “New approach for edge extraction using Various preprocessing methods on Skeletonization technique,” published by International Journal of Application or Innovation in Engineering & Management Volume 2, Issue 6, pp.273-278, June 2013.
- M.RamaBai, J SreeDevi “A novel denoising technique based on Morphological methods,”published by International Journal of Advanced Trends in Computer Science and Engineering Vol.2 , No.1, Pages : 305-309 (2013).
- **M.RamaBai**, “An Approach for Classification of Preprocessed Textures Based On Boundary Moments,” published by International **Journal of Engineering and Advanced Technology Volume-2, Issue-5, June 2013.**
- **M.RamaBai**, “A new approach for gender classification”, published by Journal of Innovation in Computer science and Engineering, Volume-3, Issue-1, pp 25-2,Jul-Dec 2013, ISSN:2278-0947

- **M.RamaBai**, E.Komalavalli “A New Approach for Averting Jamming Invasion with Packet Hiding Methods,” published by **International Journal of Advanced Computer Research Volume-3 Number-4 Issue-13 December-2013 pages 298-302.**
- Santhosh Kumar, **Dr.M.Rama Bai**, “Evaluation Of Optimal Contrast For Strategies Of Secret Sharing”, **International Journal Of Reviews On Recent Electronics And Computer Science**, IJRRECS/August 2014/Volume-2/Issue-8/3051-3055 ISSN 2321-5461
- **Dr.M.RamaBai**, J.V.Prashanthi, P.MonikaRaju, A.V.L Prasuna, M.Upendra Kumar, “Novel Implementation of O-Pass Security Model Design of User Authentication for Password Stealing and Reuse Attacks”, published by **International Journal of Computer Trends and Technology (IJCTT) – volume 7 number 2 – Jan 2014,pp**
- P.SalmanRaju, **Dr. M. Rama Bai**, T. Ashok “Cyber-Physical Systems Security: To Improve Independent Computing Capabilities of reliable Platforms and Tools”, published by **International Journal of Advanced Research in Computer Engineering & Technology, Vol 3, Issue 9, Sept 2014, pp 3102-3110.**
- P.SalmanRaju, **Dr.M.RamaBai**, G.KrishnaChaitanya,“ Data Mining: Techniques for enhancing customer relationship management in banking & retail industries” published by Published in an **International Journal of Innovative Research in computer & communication engineering, vol. 2, issue:1 in Jan.2014.**
- K. Sharath Kumar, **Dr.M.RamaBai** , “Design and Implementation of Chord Algorithm in Wireless Mesh Networks”, published by **International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 3 Issue 8, August – 2014.**
- B.Dharpana, **M. Rama Bai**, A Novel Approach to Design of Stable Performance Protocol Using Quality Diversity, **International Journal of Scientific Engineering and Technology Research, Volume.05, IssueNo.50, December-2016, Pages: 10279-10283**
- **M. Rama Bai** ,An Approach for Classification of Images as Centerline or Contour Using Skeletonization Algorithms, IARJSET, Vol3, Issue 5,May 2016.
- **M.RamaBai**, “A New Approach For Border Extraction Using Morphological Methods,” published by **International Journal of Engineering Science and Technology Vol. 2(8), 2010, 3832-3837,pp 3832 to 3837**
- A.Varnika, **Dr. M.RamaBai**,” Personalized A3p System For User Privacy Preferences When Sharing Images In Online Social Networking Sites”, published by **International Journal Of Applied Research In Science And Engineering Volume 2, Issue 5, pp 719-722, September-2017, ISSN: 2456-124X**
- D.Santhosh Kumar, **Dr.M.RamaBai**, “Evaluation of Optimal Contrast for Strategies of Secret Sharing”, published by **International Journal Of Reviews On Recent Electronics And Computer Science, IJRRECS/August 2014/Volume-2/Issue-8/3051-3055 ISSN 2321-5461**

- J.Sreedevi, **Dr M Rama Bai**, Mulukuri Ravi Sankar, “Augmented Reality Aided Virtual Teaching Classroom” ,**International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT)**,ISSN-2456-3307, Volume 3, Issue 5, May-June 2018.
- **M. Rama Bai**, Mrs. A.V.L. Prasuna, Mr. SandeepKodavati “Review On Techniques To Control Data Access In Public Cloud Using Attribute And Time Factors”, **IJIACS, Vol 6, Issue 12, December 2017**
- K. Sharath Kumar, **M.RamaBai** and J. Sreedevi, “An approach for statistical texture description”, is selected for publication in **International Journal of Application or Innovation in Engineering & Management, Volume & Issue no: Volume 6, Issue 6, June 2017, ISSN 2319 – 4847.**

12. PAPER PUBLICATIONS IN INTERNATIONAL CONFERENCES: [9]

- **M.RamaBai**, “Morphological Based Edge Detection using Scaled Structuring Elements,”presented in the**1st International conference on Emerging Trends in Signal Processing and VLSI Design**, held on 11-13th June, 2010 in Guru Nanak Engineering College, Hyderabad.
- **M.RamaBai**, “A novel denoising technique based on morphological methods,”presented in the **International conference on advances in computer sciences and engineering- ICACSE 2013**, held on 7-8 January, 2013 in Lords Institute of Engineering and Technology, Hyderabad.
- **M.RamaBai**, “A new approach for gender classification”,**3rd-International Conference on Innovations in Computer Science and Engineering (ICICSE-2013)**, held during 20-21 September, 2013 in Guru Nanak Engineering College, Hyderabad.
- **M.RamaBai**, “Efficient Edge Extraction Method without Structuring Element”, **International Conference on Innovations in Computer Science and Engineering (ICICSE-2013)**, held during 20-21 September, 2013 in **Guru Nanak Engg College, Hyderabad.**
- **Mr, Sharath Kumar, Dr. M.RamaBai**, “Pattern Vased Classification of tectures”,**3rd-International Conference on Innovations in Computer Science and Engineering (ICICSE-2013)**, held during 7th-8thAugust, 2015 in **Guru Nanak Engg College, Hyderabad.**
- **M.RamaBai**, “Trust Management Systems for Enhanced Web Service Recommendation”, **International Conference on Innovations in Computer Science and Information Technology (ICICSIT-2015)**, held during 28-29 August, 2015 in **Mahatma Gandhi Institute of Technology, Hyderabad.**
- **M.RamaBai**, “Accuracy Analysis of Moment Functions”, **International Conference on Innovations in Computer Science and Information Technology (ICICSIT-2015)**, held during 28-29 August, 2015 in **Mahatma Gandhi Institute of Technology, Hyderabad.**

- **M.RamaBai**, “An Approach for Classification of Images as Centerline or Contour Using Skeletonization Algorithms”, presented in **International Conference on Research Advancements in Engineering, Science and Information Technology (ICRAESIT-2015)**, held during 15-16 Decemeber 2015 conducted by Dept of IT, B V Raju Institute of Technology, Hyderabad.
- **M.RamaBai**, Mrs. A.V.L. Prasuna, Mr. SandeepKodavati , Review On Techniques To Control Data Access In Public Cloud Using Attribute And Time Factors”, Ist International Conference on Advancement and innovations in Engineering, Technology & Management, JBREC, 28-29 Dec 2017.

13. PAPER PUBLICATIONS IN NATIONAL CONFERENCES : [3]

- **M.RamaBai**, “Distance Speed Search using keywords”, presented in **National conference on Advancement and Innovation in Engineering, Technology and Management(AIETM-2015)**,held during 4-5 September 2015 conducted by Dept. of CSE, JoginpallyB.R.Engineering College, Hyderabad.
- **M.RamaBai**, “Filtering Impulse Noise in Highly Corrupted Image Based on Mathematical Morphology Using Multiscale Structuring Element, **National Conference on Frontiers of Computer Science and Engineering**, held during 1-2 July, 2009 in Sreenidhi Institute of Science and technology SNIST, Hyderabad .
- **M.RamaBai**, “A New Face Recognition Method By Extracting Morphological Primitive Pattern With Grains On LDP”, presented in **National Seminar on "SMART IT APPLICATIONS-2011"**,held during 16-17 September 2011 conducted by Dept. of CSE, Telangana University, Andhra Pradesh

14. BOOKS/MONOGRAPHS PUBLISHED:[2]

- Authored the book titled “Shape Representation and classification through Morphology“, ISBN 978-3-659-45069-3, Lambert Academic Publishing, International publication, Germany, 2012.
- Co-Authored the book titled ”Analysis and Classification of Rotationally Invariant Textures”, ISBN 978-3-659-54514-6, Lambert Academic Publishing, International publication, Germany, 2013

15. CONTRIBUTIONS AT THE DEPARTMENTAL LEVEL:

- Working as Professor in Dept. of CSE and leading the team in all the activities of the department like assessment by JNTUH, NAAC and NBA inspections.
- Member of Quality Assessment Committee in the Department
- Was Course Coordinator for M.Tech Computer Network and Information Security Programme till Dec 2013.
- Editorial Board –In charge for Department Newsletter CSE-Hues.

- Convener/ Head of Women Development Cell.
- UG Project Coordinator for one section.
- Convener for Technical Fest QUBIT-2009 which received around 800 technical papers.
- Convener of Applied Machine Learning using Python workshops conducted by the department on 21st December 2017.
- Evaluated student project thesis for both B.Tech & M.Tech.

16. CONTRIBUTIONS AT THE COLLEGE LEVEL:

- Worked as Professor and Head of the Department, Information Technology, MGIT, and Hyderabad from December 2013 to August 2017.
- Convener/ Head of ASHNA Women Welfare Cell in MGIT upto Dec 2017 and organized several programs for empowerment of women faculty.
- Convener for the College Website Committee
- Coordinator for CSI Professional society.
- Co-Convener for Anti ragging Committee.
- Vice Chairman of Nirvana-2017
- Coordinator for MAGISTECH-2017 A National Level Technical Symposium for Engineering Students

17. FRESHER COURSES/ WORKSHOPS/ CONFERENCES ATTENDED:

- Attended a 2 day workshop on Recent Trends In Computer Vision And Image Processing in Sept 26-27, 2008 at Vidya Vikas Institute of Technology.
- Attended National Conference on Knowledge Engineering from July 29-30 2011 at Mahatma Gandhi Institute of Technology, Hyderabad.
- Attended a 2 day workshop on Research Opportunities in CS&IT, Jan 27-28, 2012 at CBIT.
- Attended a 2 day workshop on Speech Processing from Feb 17-18, 2012 at MGIT.
- Attended a FDP on Geo Spatial Technologies from March 26-27, 2012 at TCS, Hyderabad.
- Attended a workshop on Cyber Security and Malware Analysis in Sep 16-17-22, 2013, at Mahatma Gandhi Institute of Technology, Hyderabad.
- Attended a workshop on Cyber Security and Malware Analysis in Jan 21-22, 2013, at Mahatma Gandhi Institute of Technology, Hyderabad.
- Attended a workshop on Women in Science and Technology-Societal Impact in March 8-9, 2013, at Chaitanya Bharathi Institute of Technology, Hyderabad.
- Attended a Faculty Development Program in Entrepreneurship from Apr 22 – May 4, 2013 at Mahatma Gandhi Institute of Technology, Hyderabad.

- Attended a workshop on Exploring Internet on Feb 18, 2014, at Mahatma Gandhi Institute of Technology, Hyderabad..
- Attended faculty orientation program for JNTUH e-Learning solution and two way HD delivery mechanism for teachers (eLSDM) conducted by M/s Globarena Technologies Pvt. Ltd. on 31st July 2014.
- Attended a workshop on Outcome Based Education And Accreditation on Sept 14, 2015 at JNTU, Hyderabad.
- Attended One Day National workshop on Gender Sensitization on 21.12.2015
- Attended a One Week FDP on Recent trends in Digital Image & Video Processing, organized by ECE, MGIT, from 22-27 Feb,2016
- Attended a 1-Week National Level FDP on Internet of Things With Raspberry PI & Network Simulator, organized by Dept. of IT, MGIT, FROM 17-21 Oct ,2016
- Attended a Two day Workshop on Android Application development At MGIT, during 22-23 July 2016.
- Attended a workshop on Adoption of Technology in Teaching and Learning,Swecha Academic Chapter and Dept. of IT, 5-6 July 2017
- Attended a FDP on Applied Machine Learning Using Python, Pantech ProED Pvt. Ltd, Dept. of CSE, 18-23, Dec 2017
- Workshop “To train the trainers for Implementation of Induction Program”, JNTUH under TEQIP-III, 17-19 May 2018
- Attended a FDP on Machine Learning Through Mathematical Modeling Supported with Python & R-soft conducted by MGIT in collaboration with E & ICT Academy, 2-7 July, 2018

18. WORKSHOPS/ CONFERENCES/SEMINARS/FDP's ORGANIZED:

- Organizing a 2-Day International Conference on Innovations in Computer Science and Information Technology ICICSIT-2015 to be held on 28th & 29th August 2015 as Convener
- Organized a 2-Day workshop on Cyber Security & Malware Analysis-Level I & II by Indian Servers as Convener
- As the Convener of ASHNA Women Welfare Cell organized programs ‘Women Wise’ on empowerment of women.
- Organized 2-Day Students Technical Symposium QUBIT-2009 which received around 800 technical papers as Convener.
- Organized a 1-Day workshop on Exploring Internet as Convener.
- Organized one week Faculty Development Program on Internet of Things with raspberry Pi & Network Simulator(NS-2) on 17th -21st October 2016
- Organized one day training program on Cloud Computing for M.Tech student,2016.

- Organized FDP on Applied Machine Learning using Python, 18-23, Dec 2017, as Convener

19. MEMBERSHIP OF PROFESSIONAL BODIES

- Life Member, Indian Society for Technical Education(ISTE), New Delhi-LM 35521.
- Member, Computer Society of India, Mumbai-Membership No: F8002600
- Member IAENG, International association of Engineers-Membership No: 159159

20. HONORS/AWARDS:

- Paper titled A New Approach for Gender classification was judged as best paper of the session in the International Conference ICICSE-2013.
- Awarded Outstanding Faculty in the field of Computer Engineering by Venus International Foundation Centre for Advanced Research and Design in July 2015.