

Dr. M. Rama Bai

Professor & Head



Education Qualifications: Doctor of Philosophy (CSE)
Specialization: Image Processing

ADDRESS:

- D- Block -Room 101

JNTUH ID:

02150403-220700

EMAIL:

mramabai_cse@mgit.ac.in

DATE OF JOINING:

10-11-1999

EXPERIENCE - 21 Years

- Teaching - 21
- Research -10

SUMMARY:

- Publications - 44
- Conferences - 17
- Patents – 1
- Books – 2
- Honors/Awards - 7

EVENTS:

- Organized - 12
- Attended - 32

Membership of Professional Bodies:

1. Life Member, Indian Society for Technical Education(ISTE), New Delhi
2. Life member of Indian Red Cross Society. Reg No: 887
3. Nominee Member, Computer Society of India, Mumbai, Membership No: F8002500
4. Member IAENG, International association of Engineers-Membership No: 159159
5. I2OR Ed-Tech Community member,I2)2/ETCM-1153

Responsibilities Held at Institution Level:

1. Coordinator for Emerging Technology Courses(CSM and CSD).
2. Chairperson for Web and Branding Committee.
3. Member for Constituted Library Committee.
4. Chairperson for Women Development Committee.
5. Faculty Advisor for CSI Professional society.
6. Co-Convenor for Anti Ragging.
7. AQAR Faculty coordinator of the Department.
8. Coordinator for M.Tech (Artificial Intelligence) Programme.
9. Worked as Professor and Head of the Department, Information Technology, MGIT, Hyderabad from December 2013 to August 2017.
10. Co-ordinator for M.Tech (CNIS and SE) Programme from 2010 to August 2019.

Responsibilities Held at Department Level:

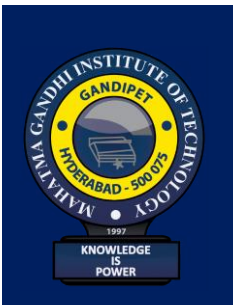
1. Member for Dept IQAC
2. Coordinator of M.Tech(AI)
3. Chief Editorial member of Department Newsletter
4. Coordinator for Department -Women Empowerment Cell (WEC)
5. UG Project Coordinator of IV/IV CSE-3

Research Guidance:

1. Guiding one Ph. D student at present.

Honors/Awards Received:

1. Best Researcher Award in the International Scientist Awards on Engineering, Science and Medicine, held on 07& 08-Aug-2021, Pondicherry, India, organized by VDGGOOD Professional Association.
2. Global Educator Award 2021, instituted by the International Institute of organized Research (I2OR), India in association with Centre for Smart Modern Construction - Western Sydney University (Australia), Green ThinkerZ, IDS Infotech and Sustainable Cosmos on 27 June 2021.
3. Global Eminent Academician Award for Outstanding Service in Teaching by VIJ Trust on 02 April 2021.



4. Received Elite Silver Medal Certificate in NPTEL Online Certification for The Joy of Computing using Python in Sept-Dec 2020.
5. Sarvotham Acharya Puraskar, a National Award for impact creators in Engineering Educators in commemoration of 150 Birth Anniversary celebrations of Mahatma Gandhi, 2019.
6. Awarded Outstanding Faculty in the field of Computer Engineering by Venus International Foundation Centre for Advanced Research and Design in July 2015.
7. Paper titled A New Approach for Gender classification was judged as best paper of the session in the International Conference ICICSE-2013.

Courses Handled at Under Graduate /Post Graduate Level:

- **UG:** Computer Networks, Data Base Management Systems, Data Structures Through C++, Programming For Problem Solving, Design And Analysis Of Algorithms, Operating Systems, Data Mining And Data Ware Housing, Automata And Compiler Design, Computer Graphics, Artificial Neural Networks
- **PG:** Advanced Data Structures

Publications:

1. J Sreedevi, M Rama Bai, G Naga Sujini, Muthyala Mahesh and B Satyanarayana, Early-Stage Lung Cancer Detection Using Machine Learning, Biosc.Biotech.Res.Comm. Special Issue Vol 14 No 05 (2021)
2. M. Rama Bai, CH Ramanitha , An Approach To Locate And Detect Face In A Given Image, IJSART - Volume 7 Issue 5 – MAY 2021, ISSN [ONLINE]: 2395-1052
3. Dr. M. Rama Bai, P Sami Ur Rahman, Deep Knowledge Mining In Website, Dr. M. Rama Bai, P Sami Ur Rahman, GRADIVA REVIEW JOURNAL,VOLUME 7 ISSUE 5 2021, ISSNO : 0363-8057, PAGE NO: 23
4. Dr. M Rama Bai and D Shrutha Keerthi , Building A Data Science Web Application For Detection Of Vehicle Collisions, International Journal Of Computer Engineering And Applications, Volume XV, Issue Iii, March 21, ISSN 2321-3469
5. M.Rama Bai , CH.Shanmukha Akhil, Social Distancing Detector Using Yolo And Opencv, 7international Journal Of Information And Computing Science, Volume 8, Issue 3, March 2021, ISSN NO: 0972-1347Volume 8, Issue 3, March 2021
6. M Rama Bai, J Sreedevi and C Nishanth Krishna , Modelling Deep Learning Neural Networks For Pneumonia Detection, Turkish Journal of Computer and Mathematics Education Vol.11 No.3 (2020), 903-910
7. J Sreedevi, Dr M Rama Bai, G Naga Sujini, Mohammed Maqsood Ahmed, Question Answering System using Deep Learning, Journal of Xidian University, ISSN No:1001-2400, VOLUME 14, ISSUE 11, 2020
8. M Rama Bai, Maaz Bin Saad Quraishi, Privacy Protection Against Insider Attacks, International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-9 Issue-5, June 2020.
9. M. Rama Bai, G. Meghana, Recognition of Lung Tumor Area Based on Watershed Segmentation and CNN, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-8, June 2020.
10. Dr. M. Rama Bai, Sai Sreeja Alapati, Leukemia Detection using Object OrientedMethod, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 9 Issue 05, May-2020.
11. J SreeDevi, Dr M Rama Bai, Mohammed Maqsood Ahmed An Approach To Translate Hand Gestures Into Telugu Text, International Journal Of Scientific & Technology Research (IJSTR), ISSN 2277-8616, Volume 9, Issue 04, April

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DATE OF JOINING:

10-11-1999

EXPERIENCE - 21 Years

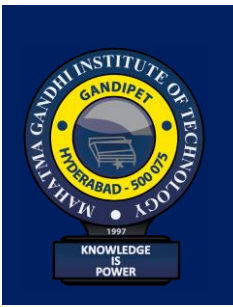
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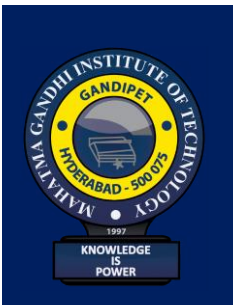
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2020.

12. M. Rama Bai, Charishma Kuna, J. Sreedevi, G. Shantha, Me Too Movement Sentiment Analysis, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-6, April 2020.
13. M Rama Bai, J Sreedevi, B Pragna, Enhanced Unsupervised Image Generation using GAN based Convolutional Nets, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-6, April 2020.
14. J SreeDevi, Dr M Rama Bai, Mohammed Maqsood Ahmed, “An Approach To Translate Hand Gestures Into Telugu Text”, IJSTR, VOLUME 9, ISSUE 04, APRIL 2020 , Pg-258-264, ISSN 2277-8616
15. J SreeDevi, M Rama Bai, M Chandrashekar Reddy, Newspaper Article Classification using Machine Learning Techniques, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-5, March 2020.
16. Bollam Pragna, M.Rama Bai, Spam Detection using NLP Techniques, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019.
17. K. Sharath Kumar & M. Rama Bai, Deploying multi-layer extraction and complex pattern in fabric pattern identification, Multimedia Tools and Applications- An International Journal, ISSN: 1380-7501 <https://doi.org/10.1007/s11042-019-7421-y>, Springer
18. 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),ISSN2456-3307, Volume 3, Issue 5, May-June 2018.
19. K. Sharath Kumar, M.Rama Bai 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.
20. M. Rama Bai, Mrs. A.V.L. Prasuna, Mr. Sandeep Kodavati “Review On Techniques To Control Data Access In Public Cloud Using Attribute And Time Factors”, International Journal of Innovations & Advancement in Computer Science, Vol 6, Issue 12, December 2017.
21. A.Varnika, Dr. M.Rama Bai, ”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.
22. Dr M. Rama Bai, J. Sreedevi, “ An Approach for Classification of Images as Centerline or Contour Using Skeletonization Algorithms”, Published in an International Advanced Research Journal in Science, Engineering and Technology (IARJSET), Vol. 3, Issue 5, May 2016, ISSN(P): 2394-1588.
23. 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, Issue No.50, December-2016, Pages: 10279- 10283
24. Dr M.Rama Bai, Dr. V. Ramesh, D. Vijay Kumar, “ Design of Load Balanced Ad-hoc on Demand Multi Path Distance Vector Routing for MANETs”, Published in Journal of Network Communications and Emerging Technologies (JNCET), Vol. 2, Issue 3, July 2015, ISSN : 2395 – 5317
25. K. Sharath Kumar, Dr M. Rama Bai, “Study of Edge Detection Algorithms”, Published in an International Advanced Research Journal in Science, Engineering and Technology(IARJSET), Vol. 2, Special Issue 2, Dec. 2015, ISSN(P): 2394-1588.



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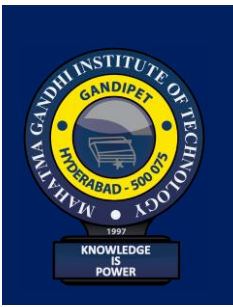
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26. K. Sharath Kumar, Dr M.Rama Bai, “Design and Implementation of Chord Algorithm in Wireless Mesh Networks”, published by International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 3 Issue 8, August –2014.
27. P.SalmanRaju, Dr M.Rama Bai, 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.
28. P.Salman Raju, 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, pp3102-3110.
29. Dr.M.Rama Bai, 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
30. M.Rama Bai, 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 pages298-302.
31. M.Rama Bai, “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.
32. M.Rama Bai, 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).
33. M.Rama Bai, “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, June2013.
34. M.Rama Bai,“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, June2013.
35. M.Rama Bai, “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.
36. 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, ISSN 2229-5518, Sep-2012.
37. M.Rama Bai and Dr V.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, Vol.4, No.5 March 2012.
38. Dr V.Venkata Krishna, M.Rama Bai, “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.
39. Dr V.Venkata Krishna, M.Rama Bai, “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.
40. M.Rama Bai, Dr.V.Venkata Krishna and J.Sasi Kiran “Morphological Shape

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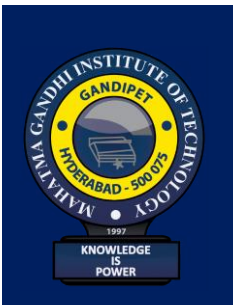
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- Attended - 32

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.

41. Dr V.Venkata Krishna, M.Rama Bai and Dr.Vakulabharanam Vijaya Kumar “Extraction of Shape Components for Classification of Textures Based on TextureElements,” published by International Journal of Computer Science and Network Security, VOL.11 No.2, pp. 114-120, February 2011.
42. 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.
43. M. Rama Bai, Dr.V.Venkata Krishna and V.Venkat Rao “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: 0974-4983.
44. M.Rama Bai, “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.

Conferences:

1. M. Rama Bai, CH. Ranjith Kumar, J. SreeDevi, M. NagaSujini, A Machine Learning approach for Phishing Website Detection,in the 2nd international Multidisciplinary Conference on Information Science, Management research and Social Science(ICISMRSS-2021) Vol-1,Pg 64-68, March19, 2021
2. G Naga Sujini, J Sreedevi, Dr M Rama Bai, V.Mounica, Music Genre Classification, International Conference on "Emerging Trends in Circuit Branch Technologies and Applications" (ETCTA 2021) CBIT, during 3-4 April 2021
3. M.Rama Bai, “Me Too Movement Sentiment Analysis”, presented in the International Conference on Computing Communication and Electrical Technologies(ICCCET-2019),held during29th - 30th August 2019in .Narayanamma Institute of Technology and Science.
4. M. Rama Baii, “Spam Detection using NLP Techniques”,presented in the International Conference on Computing Communication and Electrical Technologies(ICCCET-2019), held on 29th - 30th August 2019 by G.Narayanamma Institute of Technology and Science (for Women).
5. 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”, presented in the Ist International Conference on Advancement and innovations in Engineering, Technology & Management, JBREC, 28-29 Dec2017.
6. M.Rama Bai, “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.
7. M.Rama Bai, “Accuracy Analysis of Moment Functions”, presented in the 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.
8. M.Rama Bai, “Trust Management Systems for Enhanced Web Service Recommendation”, presented in the 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.
9. Mr.Sharath Kumar, Dr.M.Rama Bai, “Pattern Vased Classification of tectures”, presented in the 3rd- International Conference on Innovations in Computer

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Science and Engineering (ICICSE-2013), held during 7th-8th August, 2015 in Guru Nanak Engg College, Hyderabad.

10. M.Rama Bai, "Efficient Edge Extraction Method without Structuring Element", presented in the International Conference on Innovations in Computer Science and Engineering (ICICSE-2013), held during 20-21 September, 2013 in Guru Nanak Engg College, Hyderabad.
11. M.Rama Bai, "A new approach for gender classification", presented in the 3rd-International Conference on Innovations in Computer Science and Engineering (ICICSE-2013), held during 20-21 September, 2013 in Guru Nanak Engineering College, Hyderabad.
12. M.Rama Bai, "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..
13. M.Rama Bai, "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.
14. J SreeDevi, Dr M Rama Bai, M Shreya Reddy," CROP MONITORING AND SMART FARMING USING IOT", ISBN: 978-93-88808-57-6, Recent Trends in Electrical Engineering, conducted by Dept. of EEE, Mahatma Gandhi Institute Of Technology, 28-29 feb 2020.
15. M.Rama Bai, "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.
16. M.Rama Bai, "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.
17. M.Rama Bai, "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, Joginpally B.R.Engineering College, Hyderabad.

Patents:

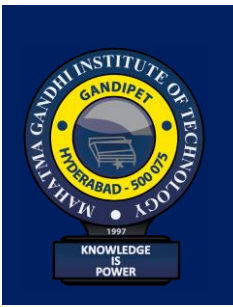
1. Patent on "Realtime signal generators for cellular jammer with dynamic switching of frequency bands", was published on May-2021 , Patent Number 2021101590.

No. of Books/Chapter Published with details:

1. Authored the book titled "Shape Representation and classification through Morphology", ISBN 978-3-659-45069-3, Lambert Academic Publishing, International publication, Germany, 2012.
2. 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.

Events Organized:**International Conferences:**

1. 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 Convenor .

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Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

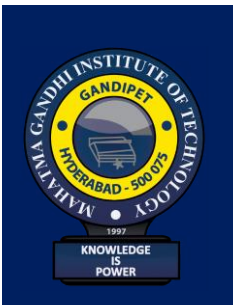
1. Organized a 2-Day workshop on Cyber Security & Malware Analysis-Level I & II by Indian Servers as Convener
2. Convener of ASHNA Women Welfare Cell organized programs 'Women Wise' on empowerment of women.
3. Organized 2-Day Students Technical Symposium QUBIT-2009 which received around 800 technical papers as Convener.
4. Organized a 1-Day workshop on Exploring Internet as Convener.
5. Organized one week Faculty Development Program on Internet of Things with raspberry Pi & Network Simulator(NS-2) on 17th -21st October 2016
6. Organized one day training program on Cloud Computing for M.Tech student, 2016.
7. Organized FDP on Applied Machine Learning using Python, 18-23, Dec 2017, as Convener with Pantech Solutions
8. Organized a National Level Technical symposium 'TechAstra On 26th and 27th of October under CSI student chapter.

Events Attended:**FDPs/STTPs:**

1. Workshop "To train the trainers for Implementation of Induction Program", JNTUH under TEQIP-III, 17-19 May 2018
2. Attended a workshop on Exploring Internet on Feb 18, 2014, at Mahatma Gandhi Institute of Technology, Hyderabad.
3. Attended a workshop on Adoption of Technology in Teaching and Learning, Swecha Academic Chapter and Dept. of IT, 5-6 July 2017
4. Attended a Two day Workshop on Android Application development At MGIT, during 22-23 July 2016.
5. Attended One Day National workshop on Gender Sensitization on 21.12.2015
6. Attended a workshop on Outcome Based Education And Accreditation on Sept 14, 2015 at JNTU, Hyderabad.
7. 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.
8. Attended a workshop on Women in Science and Technology-Societal Impact in March 8-9, 2013, at Chaitanya Bharathi Institute of Technology, Hyderabad.
9. Attended a workshop on Cyber Security and Malware Analysis in Jan 21-22, 2013, at Mahatma Gandhi Institute of Technology, Hyderabad.
10. Attended a workshop on Cyber Security and Malware Analysis in Sep 16-17-22, 2013, at Mahatma Gandhi Institute of Technology, Hyderabad.
11. Attended a 2 day workshop on Speech Processing from Feb 17-18, 2012 at MGIT.
12. Attended a 2 day workshop on Research Opportunities in CS&IT, Jan 27-28, 2012 at CBIT.
13. 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.

Online Certifications:

1. One The Science of Well-Being an online non-credit course authorized by Yale University and offered through Coursera in Mar 23, 2021



2. Python Programming Essentials an online non-credit course authorized by Rice University and offered through Coursera in Mar 27, 2021
3. Python Data Structures an online non-credit course authorized by University of Michigan and offered through Coursera in Sep 13, 2020
4. Introduction to Networks course as part of the Cisco Networking Academy program, August 2020
5. Writing, Running, and Fixing Code in C, Coursera (Duke University), Jun 2020.
6. AI For Everyone, , Coursera, Deep Learning, AI, Stanford University, Jun 2020
7. C++ for C Programmers, Part A, Coursera, (University of California, Santa Cruz), 21st June 2020.
8. Machine Learning for All, Coursera(University of London), 22nd June 2020
9. Programming for Everybody (Getting Started with Python), Coursera (University of Michigan, April 2020
10. Programming Fundamentals Coursera (Duke University), April 2020
11. Foundations to Open Education and OERs Repositories, UNED Abierta in association with IEEE, 14th April 2020
12. Problem Solving Through Programming in C, NPTEL Online certification , Jul-Oct 2019
13. Cloud Computing, NPTEL Online certification , Feb-Apr 2020

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Any Other Contribution:

Editorial Board Member:

1. Editorial Board Member of International Journal of Research in Electronics and Computer Engineering (IJRECE)
2. Editorial Board Member of The Research Journal (TRJ)