

Dr. Ch. Ramesh Babu

Associate Professor

Education Qualifications: Doctor of Philosophy
(Computer Science and Engineering)

Specialization: Computer Networks



ADDRESS:

- D – Block -Room No :203

JNTUH ID:

9928150413161333

EMAIL:

chrameshbabu_cse@mgit.ac.in

DATE OF JOINING:

20-11-2024

EXPERIENCE - 23 Years

- Teaching - 23
- Research -15
- Industry -0
- Others –

SUMMARY:

- Publications - 27
- Conferences - 14
- Patents – 05
- Books – 2
- Honors/Awards - 1

EVENTS:

- Organized - 11
- Attended - 18

Membership of Professional Bodies:

1. Life Member of ISTE LM
2. Member of IEEE
3. Member of IAENG

Responsibilities Held at Institution Level:

1. Member of Research and Development Cell Committee
2. Member of Accreditation Cell

Responsibilities Held at Department Level:

1. Member of Board of Studies
2. Member of Accreditation Cell

Research Guidance:

1. One student is pursuing Ph. D

Honors/Awards Received:

1. Received an award from Pride of Hyderabad -2024 on Innovation

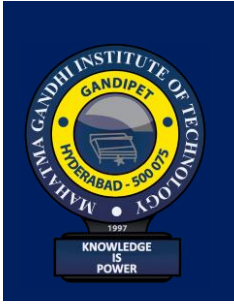
Courses Handled at Under Graduate /Post Graduate Level:

UG: Principles of Problem Solving, Principles of Programming Languages, Database Management System, Data Structures, Software Engineering, Discrete Mathematics, Machine Learning, Object oriented analysis & Design.

PG: Artificial Intelligence. Advanced Database Management System, Software Engineering

Publications: 27

1. “D. Srinivasa Rao, Ramesh Babu Ch, V. Sravan Kiran, N. Rajasekhar, Kalyanapu Srinivas, B. Lalith Bharadwaj “Plant Disease Classification Using Deep Bilinear CNN” Vol.31, No.1, 2022, pp.161-176, Intelligent Automation & Soft Computing, ISSN: 1079-8587 (print). DOI: 10.32604/iasc.2022.017706
2. Erukala Mahender, Dr. Ch. Ramesh Babu, Kakkerla Shiva Kumar “Multi-Level Thresholding for Image Segmentation on Medical Images Using Multi Otsu and Sine Cosine Optimization Algorithm” Annals of R.S.C.B., ISSN:1583-6258, Vol-25,Issue4,2021,Pages.12305-12316
<http://annalsofrscb.ro/index.php/journal/article/view/4156>
3. Siddharth Shukla, Praphula Kumar Jain, Ch. Ramesh Babu & Rajendra Pamula “A Multivariate Regression Model for Identifying, Analyzing and Predicting Crimes” © Springer Science+Business Media, LLC, part of Springer Nature 2020, Wireless Personal Communications, <https://doi.org/10.1007/s11277-020-07335-w>
4. Srinivasa Rao Dammavalam, Ramesh Babu Challagundla, Vangipuram Sravan Kiran, Rajasekhar Nuvvusetty, Lalith Bharadwaj Baru, Rohit Boddada and Sai Vardhan Kanumolu “Leaf Image Classification with the Aid of Transfer Learning: A Deep Learning Approach” Journal Name: Current



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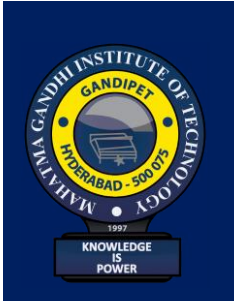
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ChineseComputerScience,Volume1,Issue1,2021

DOI : 10.2174/2665997201999200811150433

- Ch Ramesh Babu, D Srinivasa Rao, V. Sravan Kiran, N. Rajasekhar "Assessment of Plant Disease Identification using GLCM and KNN Algorithms", International Journal of Recent Technology and Engineering Volume-8 Issue-5, January 2020 ,<https://www.ijrte.org/download/volume-8-issue-5/>
- D.Srinivasa Rao, N.Rajasekhar, Ch. Ramesh Babu, Y.J. Nagendra Kumar , "Medical Image Fusion Using Transform Based Fusion Techniques",International Journal of Recent Technology and Engineering™ (IJRTE)
- Dr D Srinivasa Rao, Dr. Ch.Ramesh Babu, "Breast Cancer Detection Using Artificial Neural Networks" International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM) Vol 54 Issue 2 May 2019, ISSN 2320-6608.
- Dr. Ch.Ramesh Babu, Dr KV Ranga Rao" Cooperative Coalitional Game Model for Channel Assignment among Cognitive Radio" Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, No. 9, 2018, ISSN 1943-023X, Received: 20 July 2018/Accepted: 15 August 2018. <http://jardcs.org/backissues/abstract.php?archiveid=6261>
- Dr. K. Srinivasa Reddy, Dr. Ch.Ramesh Babu, D Srinivasa Rao and G. Gopi "Performance Assessment Of Fuzzy And Neuro Fuzzy Based Iterative Image Fusion Of Medical Images" Journal of Theoretical and Applied Information Technology, 31st May 2018. Vol.96. No 10, ISSN: 1992-8645,E-ISSN: 1817-3195, www.jatit.org.
- Dr. Ch.Ramesh Babu, D Srinivasa Rao , T. Ravi and G. Gopi "Performance Assessment Of Neuro Fuzzy Based Image Fusion Of Satellite Images" International Journal of Advanced Technology and Engineering Exploration, Vol 5(40), ISSN (Print): 2394-5443 ISSN (Online): 2394-7454, <http://dx.doi.org/10.19101/IJATEE.2018.539005>
- Dr. Ch.Ramesh Babu, Dr. Md.Mastan, Dr. B.V Swathi "Secured Distributed Accountability For Data Sharing In Cloud" International Journal of Engineering Sciences & Research Technology, ISSN: 2277-9655, Impact Factor: 4.116, CODEN: IJESS7, DOI: 10.5281/zenodo.839113.
- Dr. Ch.Ramesh Babu, Dr. Md.Mastan, Dr. B.V Swathi "An Improved Doarp Routing Protocol For Mobile Ad Hoc Networks" International Journal of Engineering Science and Technology (IJEST). ISSN: 0975-5462 Vol. 9 No.06 Jun 2017.
- Dr. Ch.Ramesh Babu, D Srinivasa Rao "Comparison of Discrete Wavelet Transform (DWT), Discrete Cosine Transform (DCT) and Stationary Wavelet Transform (SWT) based Satellite Image Fusion Techniques", Int J Cur Res Rev (IJCRR)| Vol 9 • Issue 12 • June 2017| ISSN: 2231-2196 (Print) ISSN: 0975-5241 (Online).
- Dr Ch.Ramesh Babu, D Srinivasa Rao "Accuracy Assessment of Supervised and Unsupervised Image Classification of Fused Satellite Images". International Journal of Advanced Research in Computer Science, Volume 8, No. 1, Jan-Feb 2017, ISSN No. 0976-5697.
- M.Uma, Dr Ch.Ramesh Babu "An Economic Realization Approach for Common Content between Members." International Journal of Reviews on Recent Electronics and Computer Science. IJRRECS/September 2016/Volume-4/Issue-9/6469-6474 ISSN 2321-5461.
- G. Ashwini, Dr. Ch. Ramesh Babu "An Efficient and Scalable Scheme for User Authentication and Privacy in Large Scale Data Sharing Systems." International Journal of Scientific Engineering and Technology Research. ISSN



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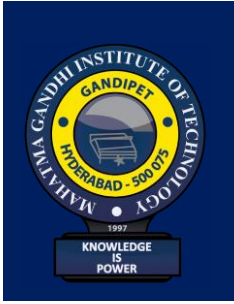
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2319-8885, Vol.05, Issue.24, September-2016, Pages: 4893-4896.

17. K Dinesh Reddy, Dr. Ch. Ramesh Babu, "An Efficient Scale-Free Error Detecting and Locating Approach in Cloud Sensor Data". International Journal of Scientific Engineering and Technology Research. ISSN 2319-8885, Vol.05, Issue.23, August-2016, Pages: 4787-4790.
18. Hima Sampathi Rao, Ch Ramesh Babu "Privacy Preserving Live Content for Cloud Based Video Recommendation with Multimedia Big Data" International Journal of Innovative Technologies. ISSN 2321-8665 Vol.04, Issue.07, June-2016, Pages: 1173-1177.
19. G. V. V. Sita Mahalakshmi, Ch. Ramesh Babu "The Scalability Problem of Large-Scale Data Anonymization by TDS". International Journal of scientific Engineering and Technology Research. ISSN 2319-8885 Vol.05, Issue.16, June-2016, Pages: 3157-3161.
20. Ch. Ramesh Babu "An Optimal Checkpoint Automation Mechanism for Fault Tolerance in Computational Grid" International Journal of Scientific & Engineering Research, Volume 7, Issue 2, February-2016, 1012, ISSN 2229-5518.
21. Ch. Ramesh Babu "Internet Protocols: Migration towards IPv6" International Journal of Innovative Research in Science, Engineering and Technology Vol. 5, Issue 3, March 2016, ISSN (Online): 2319-8753.
22. M. Ajith, Mr. Ch. Ramesh Babu "A Query Based Approach to find Proportionate Entities", Journal of Research in Science, Technology, Engineering and Management (JoRSTEM) Vol. 1, issue: 2, Oct-2015, ISSN-2456-0197.
23. Ch. Ramesh Babu, Dr. Ch. D. V. Subba Rao, "An Automatic File Replication Mechanism in Computational Grid", IJETCAS, Vol.12 No.3, pp. 2015, ISSN (ONLINE):2279-0055, ISSN (PRINT):2279-0047.
24. Ch. Ramesh Babu, Dr. Ch. D. V. Subba Rao, "An Analytical Model of Consistent Checkpointing in Computational Grid," IJAER, Vol.10, No.10, Pp.25957-25965, 2015.ISSN 0973-4562
25. S. Dilli, Ch. Ramesh Babu, Dr. Ch. D. V. Subba Rao, "An Efficient Fault-Tolerance Technique Using Check-Pointing And Replication In Grids Using Data Logs", Vol 04, Special Issue01; 2013 Publications of Problems & Application In Engineering Research – Paper, ISSN: 2230-8547; E-ISSN: 2230-8555.
26. Ch. Ramesh Babu, Dr. Ch. D. V. Subba Rao "Fault Recovery in Computational Grid Using Checkpointing." International Conference on Computer Science and Engineering, Nov-2011. ISBN no: 978-93-81693-01-0.
27. Ch Ramesh Babu ,D Srinivasa Rao "Graph-based friend recommendations on social media using machine learning" 15th May 2025. Vol.103. No.9, ISSN: 1992-8645, E-ISSN: 1817-3195, www.jatit.org

Conferences:14

1. Ch. Ramesh Babu, Dr. Ch. D. V. Subba Rao, "Automatic Checkpointing based Fault Tolerance in Computational Grid" ComManTel2014, IEEE-2014.
2. Ch. Ramesh Babu, Dr. Ch. D. V. Subba Rao, "Dynamic Checkpoint Data Replication Strategy in Computational Grid" RAIT-2014, Advances in Intelligent Systems and Computing, Springer 2014. ISBN NO: 978-81-322-1855-5 Edition: 2014th
3. Ch. Ramesh Babu, Dr. Ch. D. V. Subba Rao "An Optimized Fault Recovery Technique in Computational Grid Using Checkpointing Approach", 5th International Conference On Advances in Recent Technologies in Communication and Computing, ARTCom 2013 September 19-20, 2013;



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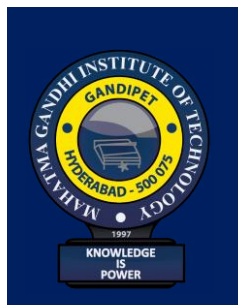
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Bangalore, India.

4. Meruva Sreenivasulu, Ch. Ramesh Babu, N. Ramanjaneya Reddy & Sowmya Kethi Reddy “Assessment of Enhanced Email Spam Detection System Through Machine Learning Algorithms”, ISBN 978-981-97-7880-5
https://doi.org/10.1007/978-981-97-7880-5_8, Published 22 November 2024, Publisher Name, Springer, Singapore
5. Shridhar Kulkarni, Ch Ramesh Babu, Gopal Kumar Thakur, G Bindu Madhavi, Kumbham Bhargavi, Pundru Chandra Shaker Reddy “Hybrid Deep Learning framework for Gastrointestinal Tract Classification based on Endoscopic Images”, 2024 2nd World Conference on Communication & Computing (WCONF), Raipur, India. Jul 12-14, 2024
6. Meruva Sreenivasulu , Ch Ramesh Babu , “predictor of coronary artery calcium with CT images using deep learning” ICIETDW’24, IEEE transaction ,
7. D. Srinivasa Rao , V. Manoj Kumar , Ch. Ramesh Babu , A. Krishna Teja , A. Surya Teja , A. Sai Karthik “Machine Learning Driven Classification of Farmer Land Data for Government Scheme Eligibility”, 979-8-3315-2480-7/25/\$31.00 ©2025 IEEE
8. S. Dilli Babu, , Ch. Ramesh Babu, , D. Saritha J Suresh Babu , Meruva Sreenivasulu , M. Sunil Kumar, “Identification of Different Medicinal Plants through Image Processing Using CNNGMM”, 979-8-3315-2480-7/25/\$31.00 ©2025 IEEE
9. Ch. Ramesh Babu, S. Dilli Babu, Raju Challagundla , J Suresh Babu, P Kiran Kumar, , Dr. M. Sunil Kumar, “Risk Prediction System For Pcos Disease Using Machine Learning” 979-8-3315-2480-7/25/\$31.00 ©2025 IEEE
10. S. Dilli Babu, Ch. Ramesh Babu, Dubbaka Navya, J Suresh Babu, M Madhu, M. Sunil Kumar “VigilDrive - Guardian of Awake Journeys: A Real-Time Drowsiness Monitoring System for Automotive Drivers”, 979-8-3315-2480-7/25/\$31.00 ©2025 IEEE
11. Ch. Ramesh Babu “Machine Learning Driven Classification of Farmer Land Data for Government Scheme Eligibility” 6th IEEE International Conference on RAIT 2025, 979-8-3315-2480-7/25/\$31.00 ©2025 IEEE, <https://ieeexplore.ieee.org/abstract/document/11088933>
12. Ch. Ramesh Babu “Risk prediction system for pcos disease using machine learning” 2025 6th International Conference on Recent Advances in Information Technology (RAIT), 979-8-3315-2480-7/25/\$31.00 ©2025 IEEE, <https://ieeexplore.ieee.org/document/11089288>
13. Ch. Ramesh Babu “Identification of Different Medicinal Plants through Image Processing Using CNN-GMM” , 2025 6th International Conference on Recent Advances in Information Technology (RAIT), <https://ieeexplore.ieee.org/document/11089065>
14. Ch. Ramesh Babu “Guardian of Awake Journeys: A Real-Time Drowsiness Monitoring System for Automotive Drivers”, 2025 6th International Conference on Recent Advances in Information Technology (RAIT),

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EVENTS:

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<https://ieeexplore.ieee.org/abstract/document/11089132>

Patents:

1. Patent 01: Title of the invention: Method for detecting health conditions in plants using an aerial device based on deep learning approach APPLICATION NUMBER: 202041043102, DATE OF FILING: 05/10/2020
2. Patent 02: Title of the invention: Method for heart-diseases classification based on ECG image analysis through deep learning model. APPLICATION NUMBER: 202041020749, DATE OF FILING: 16/05/2020
3. Patent 03: Title of the invention: Secure Complex Event Processing in IoT Environment. APPLICATION NUMBER: No.202141016525, DATE OF FILING: 08/04/2021 Date of publishing: 23/04/2021.
4. Patent 04: Title of the invention: Fuzzy Multi-Attribute Decision Making, Data Envelopment Analysis and Machine Learning Techniques to Rank and Classify Web Services. APPLICATION NUMBER: 202041020749. DATE OF FILING: 19/04/2021 Date of publishing: 30/04/2021.
5. Patent 05: Title of the invention: Cursor Movement by Hand Gesture Project, Application number: 202341010988 Date of filing: 17/02/

Research & Consultancy:

1. Completed one research project as Principal Investigator: “Machine Learning Approach for Plant Disease Identification Using Leaf Images,” Project Cost: ₹2.95 Lakhs. Sponsoring Organization: JNTUH-TEQIP-III under the Collaborative Research Scheme.
2. Transforming Education: Exploring the Impact of E-Learning Platforms in Bharat, Project Cost: ₹15 Lakhs, Role: Co-Principal Investigator. Sponsoring Organization: ICSSR, under the Ministry of Education, Government of India. (ongoing)
1. Dr. Ch. Ramesh Babu, Dr. Ch. D. V. Subba Rao “Consistent Check Pointing in Computational Grid- An Analytical Model” in the book Advanced Engineering Research and Applications.
2. Dr. Ch. Ramesh Babu, S. Dilli Babu, “IOT BASED AIR POLLUTION DETECTOR”, Futuristic Trends in IOT e-ISBN: 978-93-6252-967-1 IIP Series, Volume 3, Book 6, Part 2, Chapter 6 IOT BASED AIR POLLUTION DETECTOR

Events Organized:

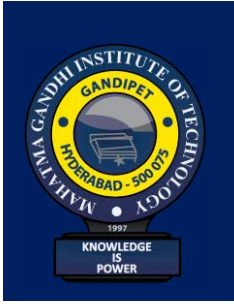
- FDPs/STTPs:06
- **Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture: 5**

Events Attended:

- FDPs/STTPs: 14
- **Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture: 04**

Online Certifications:05**Any Other Contribution:**

1. Certified Trainer in Reskilling as Innovation Ambassador (AI), conducted by the Ministry of Education’s Innovation Cell (MoE’s Innovation Cell) and AICTE, under the Institution's Innovation Council (IIC)."



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