



Prof. M. Chandra Mohan

Ph.D (Computer Science & Engineering) M.Tech(CSE),B.E Tripple Gold Medalist & University Topper in Osmania University

Professor of CSE

Computer Science & Engineering

Areas of Interest:

Software Engineering
Image Processing & Pattern Recognition
Network Security
Artificial Intelligence & Machine Learning

Presently more active in doing research in the areas of

- **Software Engineering, Reusable components, Object-Oriented Software Development**
- **Network Security.**
- **Image Processing and Pattern Recognition**
- **Artificial Intelligence & Machine learning**
- **Cloud Computing**

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Worked as Principal, JNTUH University College of Engineering Rajanna Siricilla, JNTUH,

Worked as Director of Evaluation, Examination Branch, JNTUH,

Worked as Director Academic and Planning, JNTUH,

Worked as Director Academic Affairs, JNTUH,

Worked as Head of the Department, Department of CSE, JNTUHCEH, Kukatpally, Hyderabad.

Worked as Chairman, Board of Studies for Department of CSE, JNTUHCEH.

Worked as Co-Convener, three times (2020, 2021 and 2022) for TS EAMCET.

Worked as Co-Convener, two times (2018 and 2019) for TS ECET, and as coordinator TS ECET-2017.

Worked as lead for JNTUH In-house Software Development Center for the duration of 9 Years.

- > Educational & Professional

- > Academic Qualifications

- > Ph.D in Computer Science & Engineering, JNTU Hyderabad with First Class (2003-2010)

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M.Tech in Computer Science & Engineering, Osmania University with First Class with Distinction (1998-2000)

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B.E in Tripple Gold Medalist and University Topper, Osmania University with First Class with Distinction (1990-1994)

> Professional Experience

- > Teaching Experience

- > Senior Assistant Professor, Jawaharlal Nehru Technological University Hyderabad (23-06-2006 - 2006-11-05)
- > Assistant Professor, Jawaharlal Nehru Technological University Hyderabad(JNTUH) (23-06-2001 - 2006-06-22)
- > Associate Professor, Jawaharlal Nehru Technological University Hyderabad(JNTUH) (06-11-2006 - 2012-12-31)
- > Professor, Jawaharlal Nehru Technological University Hyderabad(JNTUH) (01-01-2013 - Till Date)

- > At JNTUH

- > Senior Assistant Professor, Jawaharlal Nehru Technological University Hyderabad (2006 - 2006)
- > Professor, Jawaharlal Nehru Technological University Hyderabad(JNTUH) (2013 - Till Date)
- > Associate Professor, Jawaharlal Nehru Technological University Hyderabad(JNTUH) (2006 - 2012)
- > Assistant Professor, Jawaharlal Nehru Technological University Hyderabad (NTUH) (2001 - 2006)

- > Research

- > Research Projects

- > *Software Engineering Lab*, funded by TEQIP-II - 5 Lakhs (2014 - 2016)

- > Publications

- > M. Venkata Krishna Reddy, M. Chandra Mohan, P.V.S. Srinivas, *Energy efficient routing with secure and adaptive trust threshold approach in mobile ad hoc networks*, The Journal of Supercomputing, pp.1-26, Springer, March, 2023
- > M. Venkata Krishna Reddy, M. Chandra Mohan, P.V.S. Srinivas, *Trust Adaptability Model for Efficient Routing Based on Comprehensive Review over Manet Security Issues and Challenges*, International Journal For Innovative Engineering and Management Research, ISBN No.2456 5083, Vol No.12, Issue No.1, pp.276-297, ELSEVIER, Jan, 2023
- > M. Prashanthi, M. Chandra Mohan, *Hybrid Optimization-Based Neural Network Classifier for Software Defect Prediction*, International Journal of Image and Graphics, Vol No.2450045, pp.697-707, June, 2023
- > M Venkata Krishna Reddy, P. V. S. Srinivas, M. Chandra Mohan, *Enhancing the Routing Security through Node Trustworthiness using Secure Trust Based Approach in Mobile Ad Hoc Networks*, International Journal of Interactive Mobile Technologies, Vol No.17, Issue No.14, July, 2022
- > M. Venkata Krishna Reddy, M. Chandra Mohan, *Assessing Node Trustworthiness through Adaptive Trust Threshold for Secure Routing in Mobile Adhoc Networks*, International Journal of Advanced Computer Science and Applications, ISBN No.2158107X, Vol No.13, Issue No.4, IJACSA, 2022
- > D. Kavitha, M. Chandra Mohan, T. Adi Laxmi, *Efficient Privacy Preservation of Big Data Using Random Number Generators and Geometric Data Transformations*, Mathematical Statistician and Engineering Applications, ISBN No.2326-9865, Vol No.71, Issue No.3, pp.268-282, Philstat, 2022
- > D. Kavitha, M. Chandra Mohan, T. Adi Laxmi, *A New Geometric Data Perturbation Method for Privacy Preserving of Data Using Laplace Noise with LSTM*, JOURNAL OF OPTOELECTRONICS LASER, ISBN No.1005-0086, Vol No.41, Issue No.10, pp.240-261, JOL, 2022
- > K. Bharathi, M. Chandra Mohan, *A Deep Learning Approach for Content-based Image Retrieval using Sparse Auto-Encoder*, Turkish Journal of Computer and Mathematics Education (TURCOMAT), ISBN No.836-851, Vol No.13, Issue No.3, pp.27-32, TURCOMAT, JUNE, 2022
- > K. Bharathi, M. Chandra Mohan, *"BAG OF VISUAL WORDS AND CNN APPROACHES FOR CONTENT-BASED IMAGE RETRIEVAL USING HOG, GCH AND ORB FEATURES"*, Journal of Theoretical and Applied Information Technology, ISBN No. 1992-8645, Vol No.100, Issue No.17, Journal of Theoretical and Applied Information Technology, Sept, 2022
- > A. Nagarjuna Reddy, M. Chandra Mohan, *Web Service Compositions for a Dynamic Large Environment Using Quality of Service (QoS) Optimization Techniques*, Mathematical Statistician and Engineering Applications, ISBN No.2094-0343, Vol No.71, Issue No.4, pp.7128-7138, Philstat.org.ph, 2022
- > M. Prashanthi, M. Chandra Mohan, *Defect prediction in software using spiderhunt-based deep convolutional neural network classifier*, International Journal of Networking and Virtual Organisations, Vol No.27, Issue No.4, pp.337-357, InderScience, February, 2022
- > A. Nagarjuna Reddy, M. Chandra Mohan, *Research Methodologies On Semantic Web Services Using Machine Learning Algorithms*, ISBN No.1735-188X, Vol No.18, Issue No.2, pp.1940-1949, Webology, 2021
- > A. Nagarjuna Reddy, M. Chandra Mohan, *Semantic Web Services Composition Using Clustering And Parallel Processing*, Webology, ISBN No.1735-188X, Vol No.18, Issue No.6, pp.5609-5620, Webology, 2021
- > Polepaka Sanjeeva, M. Chandra Mohan, Ch Srinivasa Rao, *IDSS-based Two stage classification of brain tumor using SVM.*, IUPESM and Springer-Verlag GmbH Germany, part of Springer Nature, Vol No.10, Issue No.1, pp.249-258, Health and Technology, 2020
- > K. Bharathi, M. Chandra Mohan, *An effective Image Retrieval using Color Features*, International Journal of Scientific Research and Review, ISBN No.2279-543X, 2018
- > Dr. M. Chandra Mohan, K.L. Sirisha, *Automatic Reconfiguration of Test Cases Associated with Web Services*, JAC : A Journal Of Composition Theory, ISBN No.0731-6755, 2017
- > Ettikyal, Kalpana, M. Chandra Mohan, *Efficient time shared task scheduler for cloud computing*, International Conference on Information, Communication, Instrumentation and Control (ICICIC), ISBN No.978-1-5090-6314-7, pp.17-19, IEEE, August, 2017
- > K. Bharathi, M. Chandra Mohan, *Content Based Image Retrieval: An Overview of Architecture, Challenges and Issues*, International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), ISBN No.2394-2320, Vol No.4, Issue No.12, pp.31-36, IJERCSE, December, 2017
- > Polepaka Sanjeeva, *Identifying Lump Size in Brain MRI using Hierarchical Mean Shift Algorithm.*, Advances in Computational Sciences and Technology, ISBN No.0973-6107, Vol No.10.5, pp.885-894, ripublication, 2017
- > Arathi Chitla, Dr. M. Chandra Mohan, *An Adaptive Quin Tree Decomposition Technique in Image authentication through Lossless Watermarking*, International Journal of Pattern Recognition and Image Analysis: Advances in Mathematical theory and Applications, Issue No.1, 2016
- > Arathi Chitla, Dr. M. Chandra Mohan, *A Survey of Contemporary Research in Elliptic Curve Cryptography for Wireless Sensor Networks*, 2nd International Conference on Emerging Trends in Computer Science, Communication and Information Technology CSCIT-2015, February, 2015
- > Arathi Chitla, Dr. M. Chandra Mohan, *Authenticating Medical Images with Lossless Digital Watermarking*, International Journal of Multidisciplinary and current Research(IJMCR), ISBN No.2321-3124, Vol No.2, pp.291-296, IJMCR, March/April, 2014
- > Arathi Chitla, Dr. M. Chandra Mohan, *A New Approach to Authenticate Images in Different Datasets Using a Lossless Image Watermarking Technique*, International Journal of Computer Science and Information Technology (IJSIT), ISBN No.0975-9646, Vol No.5, Issue No.6, pp.7166-7171, IJSIT, November/December, 2014
- > Asha S Manek, Dr. M. Chandra Mohan, *DeMalFier: detection of Malicious Web pages using an Effective classifier*, International conference on Data Science & Engineering (ICDSE), ISBN No.978-1-4799-6870-1, pp.83-84, IEEE, August, 2014
- > Arathi Chitla, Dr. M. Chandra Mohan, *Authentication Of Images Through Lossless Watermarking (LWM) Technique With The Aid Of Elliptic Curve Cryptography (ECC)*, International Journal of Computer Applications (IJSEA), Vol No.57, Issue No.6, pp.17-25, IJSEA, November, 2012
- > Aarathi, Dr. M. Chandra Mohan, *Authentication Of Images Through Lossless Watermarking (LWM) Technique With The Aid Of Elliptic Curve Cryptography (ECC)*, International Journal of Computer Applications (IJSEA), ISBN No.ISSN No. 0975-8887, Vol No.57, Issue No.6, pp.17-25, November, 2012
- > Jubair, M. Chandra Mohan, *A Methodology To Identify The Level Of Reuse Using Template Factors*, International Journal of Software Engineering & Applications (IJSEA), ISBN No.ISSN No. 0976-2221, Vol No.3, Issue No.5, pp.103-114, September, 2012
- > Md Jubair Basha, M. Chandra Mohan, *A Strategy To Identify Components Using Clustering Approach For Component Reusability*, International Conference of Computer Science and Information Technology, pp.397-406, 2012
- > N Md Jubair Basha, M. Chandra Mohan, *Towards The Measure of Reused Component Cost*, International Conference on Emerging Trends in Engineering And Management, 2012
- > Sujatha, V. Vijaya Kumar, M. Chandra Mohan, *Rotationally Invariant Texture Classification using LRTM based on Fuzy Approach*, International Journal of Computer Applications, ISBN No.ISSN No. 0975-8887, Vol No.33, Issue No.4, November, 2011
- > Dr. M. Chandra Mohan, Dr. V. Vijaya kumar, *Novel Method of Adulthood Classification based on Geometrical Features of Face*, International Journal of Graphics, Vision and Image Processing (GVIP), ISBN No.ISSN No. Online: 1687-3998 Print: 1687-398X, Vol No.10, Issue No.2, pp.39-44, June, 2010
- > Dr. M. Chandra Mohan, Dr. V. Vijaya Kumar, *Classification of Child and Adult Based on Geometric Features of Face Using Linear Wavelets*, International Journal of Signal & Image Processing (IJSIP), ISBN No.ISSN No. Online: 1737-9261 Print: 1737-9253, Vol No.1-2010, Issue No.3, pp.211-220, May, 2010
- > Dr. M. Chandra mohan, Dr. V. Vijaya Kumar, *A New Method of Face Recognition Based on Texture Feature Extraction on Individual Components of Face*, International Journal of Signal & Image Processing (IJSIP), ISBN No.ISSN No. Online: 1737-9261 Print: 1737-9253, Vol No.1-2010, Issue No.2, pp.69-74, March, 2010
- > Dr. M. Chandra Mohan, Dr. V. Vijaya Kumar, *Novel Method of Adult Age Classification Using Linear Wavelet Transforms*, International Journal of Computer Science and Network Security (IJCSNS), ISBN No.ISSN No. 1738-7906, Vol No.10, Issue No.3, pp.61-68, March, 2010
- > Dr. M. Chandra Mohan, Dr. V. Vijaya Kumar, *New Face Recognition Method Based on Texture Features using Linear Wavelet Transforms*, International Journal of Computer Science and Network Security(IJCSNS), ISBN No.ISSN No. 1738-7906, Vol No.9, Issue No.12, pp.223-230, December, 2009
- > Asha S Manek, Dr. M. Chandra Mohan, *RePC-SSMSM: Repetitive pre-processing and clustering Approach for Filtering Spam SMS Messages using Naïve Bayes Classifier*, International Journal of Information Processing, ISBN No.0973-8215, Vol No.8, Issue No.4, pp.68-78, IK International Publishing House Pvt. Ltd
- > A. Nagarjuna Reddy, M. Chandra Mohan, *Web Service Components Failed Resist and Web Service Composition Using GA-2stage Approach*, Vol No.20, Issue No.9, pp.7024-7033, NeuroQuantology, 2022

National Journals

- ▶ M Venkata Krishna Reddy, P. V. S. Srinivas, M. Chandra Mohan, *A Novel Trust Adaptability Approach for Secure Data Transmissions using Enhanced Collaborative Nodes Trustworthiness in Mobile Ad-hoc Networks*, Indian Journal of Science and Technology, Vol No.15, Issue No.33, pp.1613-1623, 2022
- ▶ K. Bharathi, M. Chandra Mohan, *Image Search Engine for CBIR using HSV Histogram Colour features*, Journal Of Engineering Sciences, ISBN No.0377-9254, Vol No.13, pp.815-820, JES publication, May, 2022
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International Conference

- ▶ M. Venkata Krishna Reddy, M. Chandra Mohan, *Quantifying Nodes Trustworthiness Using Hybrid Approach for Secure Routing in Mobile Ad Hoc Networks*, ICACDS 2022, ISBN No.978-3-031-12638-3, Vol No.part 1, pp.348-360, Springer, April, 2022
- ▶ M. Prashanthi, M. Chandra Mohan, *Survey on Innovative Techniques to Predict Software Defects*, Proceedings of the Ninth ICICSE, 2021, pp.697-707, Springer Link, March, 2022
- ▶ Polepaka Sanjeeva, M. Chandra Mohan, Ch Srinivasa Rao, *A brain tumor: Localization using bounding box and classification Using SVM.*, Innovations in Electronics and Communication Engineering , ISBN No.978-981-10-8203-0, Vol No.6th ICIECE, pp.61-70, Springer Singapore, 2019
- ▶ Kalpana, M. Chandra Mohan, *Virtual Machine Schedulers for Cloud Computing*, International Conference on Information, Communication, Instrumentation and Control (ICICIC), ISBN No.978-1-5090-6314-7, IEEE, feb, 2018
- ▶ Asha S Manek, Dr. M. Chandra Mohan, *Classification of Drugs Reviews using W-LRSVM Model*, IEEE INDICON-2015 to be held at Jamai Millia Islamia, December, 2015
- ▶ Asha S Manek, Dr. M. Chandra Mohan, *ReP-ETD: A Repetitive Pre Processing technique for Embeded Text Detection from Images in Spam Emails*, IEEE International Advanced Computing Conference(IACC), pp.568-573, IEEE, 2014
- ▶ Asha S Manek, M. Chandra Mohan, *RePC-SSMSM: Repetitive pre-processing and clustering Approach for Filtering Spam SMS Messages using Naïve Bayes Classifier*, International conference on Data Mining and Warehousing (ICDWA-2014) , ISBN No.978-93-5107-251-5, pp.203-212, Elsevier Publications, July, 2014
- ▶ Asha S Manek, Dr. M. Chandra Mohan, *RePID-OK: Spam Detection using Repetitive Pre Processing*, International Conference on Cloud and Ubiquitous Computing & Emerging Technologies, IEEE, 2013
- ▶ Asha S Manek, Dr. M. Chandra Mohan, *SentReP: Sentiment Classification of Movie Reviews Using Efficient Repetitive Pre-Processing*, IEEE International Conference , pp.2827-2829, IEEE, 2013
- ▶ Arathi Chitla, Dr. M. Chandra Mohan, *Survey of Digital Image Steganography Methods*, RITS International Conference on Advancements in Engineering and Management , February, 2012
- ▶ . Chandra Mohan, V. Vijaya Kumar, *An Innovative Approach For Face Recognition Based on Texture Features Derived From Co-occurrence Matrices*, Conference on Emerging Trends In Signal Processing & VLSI Design, June, 2010
- ▶ . Vijaya Kumar, M. Chandra Mohan, Ch. Ramana Babu, *A New Approach For Face Recognition Based On Eigen Faces*, International Conference on Geo-informatics for Rural Development-Achieving synergy between technical and social systems, 2006
- ▶ M. Chandra Mohan, M. Krishna Murthy, H. Jaya Sree, *A New Method For Automatic Test Data Generation Using Genetic Algorithms*, International Conference on Geo-informatics for Rural Development-Achieving synergy between technical and social systems, 2006
- ▶ M. Chandra Mohan, Ch. Ramana Babu, *Application of Class Specific Linear Projection in Image Processing*, National conference on Recent Trends in Information Technology Prospects for Global India Brand, February, 2006
- ▶ V. Vijaya Kumar, M. Chandra Mohan, A. Nagaraja Rao, *A Newmethod For Multiresolution Gray-Scale And Rotation Invariants Based On Local Binary Patterns*, International Conference on Environmental Management (ICEM-2005), 2005

Teaching

- ▶ MCA in - All Semesters (2001-2022)
- ▶ B.Tech in CSE, IDP, IDDMP, IIDDMP All Semesters (2001-2024)
- ▶ M.Tech PTPG in CSE I, II, III, IV (2001-2024)
- ▶ M.Tech in CSE, IT, SE, CN I, II, III (2001-2024)

Administrative Positions Held

- ▶ Principal, JNTUH University College of Engineering Rajanna Siricilla, 08 Feb 2024 - 20 May 2024
- ▶ Head of the Department, Department of CSE, JNTUH University College of Engineering Science and Technology Hyderabad, JNTU Hyderabad, 28 Jul 2023 - 07 Feb 2024
- ▶ Director, Academic Affairs, JNTUH, JNTU Hyderabad, 09 Jun 2023 - 28 Jul 2023
- ▶ Director, Academic and Planning, JNTUH, JNTU Hyderabad, 20 Jan 2023 - 09 Jun 2023
- ▶ Director of Evaluation, Examination Branch, JNTUH, JNTU Hyderabad, 11 Jun 2021 - 20 Jan 2023
- ▶ Head of the Computer Science & Engineering Department, JNTUH College of Engineering Hyderabad, 11 Jun 2020 - 11 Jun 2021
- ▶ Software Development Cell Lead & Additional Controller of Exams, JNTU Hyderabad, 10 Feb 2011 - 11 Jun 2020
- ▶ Coordinator, School of Continuing and Distance Education, JNTU Hyderabad, 11 Aug 2010 - 09 Feb 2011

- ▶ Project/Research Guidance

- Students

Student Name	Title	Year	Download
Ms. Sirisha KLS	Advanced Test Case Generation and Dynamic Test Reconfiguration for Web Services	2024	
Ms. Kavitha Dasari	Privacy Preserving Clustering by Geometric Data Transformation	2024	
Mr. Venkata Krishna Reddy	Secured Routing Using Adaptive Trust Approach in Mobile Adhoc Networks	2024	
Mr. Nagarjun Reddy Adapala	Semantic Web Service Composition with Avoidance of Stochastic Service Failures for Robustness Estimation and Optimization	2023	
Mr. Sanjeeva Polepaka	Development of Decision Support Systems to Detect the Abnormalities in MRI Brain Images	2022	
Ms. Asha S Manek	Mining the Web Data: Intelligent Information Retrieval System for Filtering Spam and Sentiment Analysis	2019	
D. Kishore	An Efficient Chaining Graph Segmentation Models for Human Activity Detection on Real Time Noise Video Databases	2018	
Arathi Chitla	Lossless watermarking for Image Authentication	2016	
Student Name	Title	Year	Download
140 students complted projects under my guidance		2024	
Student Name	Title	Year	Download
60 Under Graduate Students completed projects		2024	

- ▶ Downloads

- ▶ Journals

Contact :

Prof. M. Chandra Mohan
Computer Science & Engineering

Official Email: c_miryala@jntuh.ac.in