

Faculty Information

Sl.No	Information	
1.	Name: Contact Address: LandLineNumber Email Address:	Dr. Chandrika.J Dean Academics Prof & Head, ISE, MCE, Hassan 08172-245020 jc@mcehassan.ac.in
2.	Qualification	BE(CS&E),M.Tech,Ph.D
3.	Date of Joining	5-5-1997
4.	Position Held	Dean Academics Prof & Head, ISE
5.	Research Interest	Data Mining, Big Data Analytics, Machine Learning
6.	Publications	
	Journal Publications	
	<ol style="list-style-type: none"> 1. Sunitha R, Chandrika J, Rajashree S, Pavithra H C, Rohini T Fuzzy Inference with Enhanced Convolutional Neural Network Based Classification Framework for Predicting Heart Attack Using Sensor Data, IIETA RIA , Vol. 37, No. 1, February 2023 https://doi.org/10.18280/ria.370112, Page 93-99, Feb 2023 2. Sunitha R, Chandrika.J ,Machine Learning Techniques to Combat Security Threats in Social Internet of Things, International Journal of Research in Engineering, Science and Management ISSN: 2581-5792, Volume 6, Issue 3, March 2023 3. Sunitha R, Chandrika.J Fuzzy and Neural Network based Pattern Mining and Classification Model for Medical Data Analysis, International Journal of Advanced Computer Science and Applications (IJACSA) - Volume 14 No 1 , Jan 2023 4. Sunitha R, Chandrika.J ,Secure Optimal Routing Framework for Wireless Sensor Network to Improve Quality of Services, Journal Of Electronics Information Technology Science And Management JEITSM, ISSN NO : 0258-7982,Scopus And Ugc Care Group 2 Journal volume 13, issue 1, pp 136-151, Jan 2023 5. Thirthe Gowda M T, Chandrika J Cluster based segmentation for tobacco plant detection & classification, Bulletin of Electrical Engineering & Informatics(BEEI), Vol 12, ISSN 2089-3191, Scopus indexed Q3, Feb 2023 6. Thirthe Gowda M T, Chandrika J, Hybrid texture and gradient modeling for dynamic background subtraction identification system using 5G data service, Computer Assisted Methods in Engineering and Science, Scopus indexed, Print ISSN: 2299-3649,June 2022. 7. Sunitha R, Chandrika.J, “Malevolent node detection bsd on network parametersmining in wireless sensor networks”, International journal of digital crime & forensics(IJDCF), VOL 13, issue 6, July 2021 8. Chandrika.J, Pooja K P, Megha D, Roja, Syeda Shafain “A novel machine learning based hybridmodel for webshell detection”, International journal for research in applied science & Engineering technology, IJRASET, Vol 9, issue 6, June 2021, DOI:10.22214, June 2021 9. Chandrika.J, Lavanya, Iral Dsouza Deep learning based assistive device for visually challenged, International journal of advanced research in computer and communication engineering, Vol 10, Issue 5, May 2021, DOI : 10.17148/IJARCC.2021.10543, May 2021 10. Raghavendra K, Ramesh B and Chandrika J, Secure, efficient and certificateless authentication scheme for wired and wireless networks, International journal of electrical engineering & technology (ijeet), ISSN Print: 0976-6545 ISSN Online: 0976- 6553, Volume 12, Issue 2, Feb 2021 11. Vinutha M.R, Dr. Chandrika.J , Prediction of Liver Disease using Regression Tree, International Journal of Online and Biomedical Engineering, iJOE vol.17, No.2,2021, Feb 2021 	

12. Sunitha R, Chandrika J "Evolutionary Computing Assisted Wireless Sensor Network Mining for QoS-Centric and Energy-Efficient Routing Protocol, International Journal of Engineering, ISSN : 1735-9244, March 2020
13. Sunitha R, Chandrika J, "FBMBS (Fuzzy Based Mobile Base Station) Clustering Technique for Energy efficient Data Transmission in Wireless Sensor Network", vol 711, Springer, Singapore, DOI https://doi.org/10.1007/978-981-10-8055-5_36, Online ISBN 978-981-10-8055-5, pp 401-409, July 2018
14. Pooja N S , Shubha N , Surabhi K H , Thejasvi G K, Dr. J. Chandrika, "Hash Based Technique for Detecting Suspicious Accounts in Money Laundering using Data Mining ", IJIACS, Vol 7 Issue 3 March 2018, ISSN 2347-8616, March 2018
15. Dr. Chandrika. J, Hajira Fathima, Kavyashree, "IOT based digitized certificate generation for emission test – A step towards smart city ", IJIACS, Vol 7 Issue 3 March 2018, ISSN 2347-8616, March 2018
16. Neelambike S, Chandrika. J "An Efficient Environmental Channel Modelling in 802.11p MAC Protocol for V2I, IJEECS, Vol 7, No.2, August 2017, pp 404-414, August 2017
17. Prarthana Adiga, Samvida, Sanjana, Lavanya B S, Chandrika. J, "Credit card fraud detection-A hybrid approach using genetic and Apriori algorithm", IJRSE, Vol 8, Issue 4, pp 16308-16313, April 2017.
18. Vinutha M. R, Dr. Chandrika. J "Application of Data Mining and Soft Computing Techniques for Intelligent Medical Data Analysis", IJTRD, Volume 3(6), ISSN:2394- 9333, , Dec 2016
19. Chaithra Chandrashekar, J. Chandrika, B. Ramesh, "Comparative study on the detection and Classification of Glaucoma images", IJEEM, Vol 3 Issue 4, , June 2015
20. Ramesh. B, Gururaj. H. L and Chandrika. J "Network Performance Comparative Analysis of Torus and Modified Mesh interconnections with Source Routing for Packet Loss", International Journal of Computer theory and Engineering (IJCTE) vol. 7 no. 4, pp.273-277, 2014
21. J. Chandrika, Dr. K. R. Ananda Kumar, "State of the art algorithms for frequent item mining in data streams". , IJCSC Vol – II, Issue – II Dec 2011 (ISSN : 0973-7391) pp 479 – 484 , Dec 2011
22. J. Chandrika, Dr. K. R. Ananda Kumar, "Frequent Item set Mining In Transactional Data Stream Based On Quality Control And Resource Adaptation", , International Journal Of Data Mining and Knowledge Management Process, VOL.2 ,No.6, , November 2012.
23. J. Chandrika, Dr. K. R. Ananda Kumar, "Resource Adaptive Technique for frequent item set mining in Transactional Data Stream, International Journal Of Computer Science and Network Security, Korea, VOL.12 No.10, October, 2012
24. J. Chandrika, Dr. K. R. Ananda Kumar, "Dynamic clustering of high speed data streams", International journal of computer science issues, Mauritius, Vol 9 – II Issue , March 2012

International Conferences

1. Thirthe Gowda M T, Chandrika J, “Analysis and Classification of ripped Tobacco leaves Using machine learning Techniques”, published in Springer Lecture Notes on Data Engineering and Communications Technologies, International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2020) Organised By Sir M. Visvesvaraya Institute of Technology, Bangalore, Feb 2020.
2. Chandrika.J,KarthikBU, Varista,NuthanKumar,“MachineLearningBasedApproach for assessment of crop field”, 3rd international conference on Data Engineering & Communication systems,RNSIT, Bangalore, Dec 19-20 2019
3. Chandrika.J,Sirisanjana,Rakshitha chinganagappa, “Voice Based Email System for Visually Impaired”, 3rd international conference on Data Engineering &Communication systems,RNSIT, Bangalore, Dec 19-20 2019
4. H Hanebel Alva, Dr.Chandrika.J, “Interdisciplinary approach to Palliative Care: A survey of tools and an affordable technique”, 2nd International Conference on Recent Innovative Trends in Computer Science and Applications (ICRITCSA-2019),Oct 2019
5. Sunitha R, Chandrika J,“Enhanced Non-circular Dynamic Base Station Approach to Increase Network Lifetime of Wireless Sensor Network”, IEEE international Conference ICAIT -AIT Chickamagaluru, July 2019.
6. Anirudh Iyengar,Vijay Kothari, Shashank, Nishanth,Dr.Chandrika, “Patient Diagnosis system with augmented Reality”, ICSPACE 2019, March 2019
7. Dr.Chandrika.J,Hajira Fathima,Kavyashree,“IOT based digitlized certificate generation for emission test – A step towards smart city “, International conference on innovative trends in Engineering, Applied science and Management, March 2018
8. Pooja N S , Shubha N , Surabhi K H , Thejasvi G K,Dr. J. Chandrika, “Hash Based Technique for Detecting Suspicious Accounts in Money Laundering using Data Mining “, International Conference on Innovative Research in Engineering, Science, Management and Humanities (ICIRESMH-2018), Mar 2018
9. SunithaR, ChandrikaJ,“Fuzzy Based Mobile Basestation Clustering Technique to

Improve the Wireless Sensor Network Lifetime” , ICCIDM at VSSUT, Burla, Odissa, Dec 2017

10. Nalini H.C, Chandrika.J, "Video Protection Utilizing Codeword substitution", ICETSE, Vol 6, Issue 5., May 2017
11. Nalinin H.C, Chandrika.J, "Comparitive study of data mining based classification Algorithms", ICETE-2017, Bengaluru, , Jan 2017
12. Sunitha R, Chandrika J, “A Study on detecting and Resolving Major issues in WSN by using Data Mining and Soft Computing Techniques”,, ICETETS-2016, 978-1-4673-6725-7/16/\$31.00 ©2016 IEEE, 2016
13. Sunitha R, Chandrika J, “A Study on detecting and Resolving Major issues in WSN by using Data Mining and Soft Computing Techniques”,, ICETETS-2016at Kings College of Engineering, Thanjavur, Tamilnadu, Feb 2016
14. Neelambike.S, Dr.Chandrika.J, "An Efficient Environmental model considering Environment Factor V2IApplicationservice", ,2015 IEEE International Conference on Computational Intelligence and Computing Reasearch- Enathi, Tamilnadu, ISBN:978-1-4799-7849-6., November 2015
15. Sunitha.R, Chandrika.J ,"A novel approach for efficient clustering of nodes in wireless sensor network using data mining techniques", , Third International Conference on " Emerging Research in Computing, Information, Communication and Applications" - ERCICA-2015 at Nitte Meenakshi Institute of Technology (NMIT) , Bangalore-64, India., 31stJuly -01st August, 2015
16. Yuvaraj A.N., Chandrika.J, "Stock market fundamental analysis using data mining", , International research conference on advanced computer science and information technology, Bangalore., May 2015
17. Sunitha.R, Chandrika.J, “Distance based Data Mining by Multi-Level Clustering in Wireless Sensor Network.” , 8th International Conference on Electrical, Electronics, Computing and Communication Systems (EECCS'15), 29th and. 30th April, 2015, Bangalore
18. Naveen Kumar C.M, Dr.Ramesh, Dr. Chandrika J, "Design and Implementation of an efficient level set segmentation and classification for brain IMR images", AI and Evolutionary computations in Engineering Systems Springer vol 394, proceedings of ICAIECES 2015 ISBN: 978-81-322-2654-3 (print) 978-81-322-2656-7(Online)., 2015
19. Dr.Chandrika.J, Dr.B.Ramesh , Dr.K.R.Ananda kumar and Raina.D.Cunha “Genetic algorithm based hybrid approach for clustering time series financial data”, DMDB-2014.,AIRCC,July2014pp.39–52,2014.©CS&IT-CSCP2014 ,DOI:10.5121/csit.2014.4806,2014
20. J.Chandrika, Dr. K. R. Ananda Kumar,” A Novel Approach for Clustering Categorical Data Streams”,International Conference on Information and Computer Technology (ICICT 2013) , New Delhi, India., September 16-17, 2013
21. J. Chandrika, Dr. K. R. Ananda Kumar,” A Novel Conceptual Framework for Mining High Speed Data Streams”,International Conference on Business, Engineering and Industrial Applications ICBEIA2011, Kuala Lumpur, Malaysia. DOI 10.1109/ICBEIA.2011.5994246, 5 - 8 June 2011
22. J Chandrika, Dr. K. R. Ananda Kumar,” An Adaptive Framework for Clustering Data Streams”, ACC 2011, Kochi, India,Proceedings, Part I. Communications in ComputerandInformationScience190Springer2011,ISBN978-3-642-22708-0.pp704-711, July22-24,2011
23. J. Chandrika, Dr. K. R. Ananda Kumar, “Data Stream Querying: Challenges andIssues” , International Conference on Computer Applications, Pondicherry,Dec 24-25 2010.

	National Conferences <ol style="list-style-type: none"> 1. Neelambike.S,Dr.Chandrika.J,"V2IApplicationconsideringEnvironmentFactors", was selected for the best paper award., NCETERM-16 GM Institute of Technology, Davanagere, Sept. 2016 2. ZareenaTaj,Dr.Chandrika.J,"Dual Keys for sharing data security over cloud", National Level Conference, FIESTA 2016,BCE Shravanabelagola, April 2016. 3. Neelambike.S,Dr.Chandrika.J,"AnEfficientEnvironmentalmodelforV2IApplication service"., NCRTCC-16, Jain Institute of Technology, Davanagere, February-2016. 4. J.Chandrika, Dr.M.G.Venkateshmurthy, Dr.B.Ramesh, "A Study Of Mining Techniques For Data Streams", , National conference on Issues and Trends in Advanced Computing, Bannari Amman Institute of Technology,Sathyamangalam, March2010 	
19.	Honors and Awards	Best Project guide 2019
20.	Workshops/FDP/STC Conducted and Attended <ol style="list-style-type: none"> 1. Conducted a twinning workshop on "introduction to OBE & Data Mining" at JEC Jorhat Assam, 26.11.2018 to 28.11.2018 2. Conducted two weeks AICTE FDP on Gaining insights into data science & Data Analyticsat MCE Hassan from July 15 to 27, 2019 3. Attended ten days Online Short Term Course on Machine Learning for Data Science using Python, conducted by Department of Computer Science and Engineering, NIT Warangal In association with the Center for Continuing Education 1 st – 10th MARCH, 2021 4. Attended two week online AICTE sponsored FDP on Blockchain Technology conducted by Shakthi institute of technology, Coimbatore from 2-16 November 2020 5. Attended two week faculty development program on R Language and R Studio conducted by CSE dept, Cambridge Institute of Technology in association with IIT Bombayfrom22-6-2020 to 5-7-2020 6. Attended five days online AICTE UHV program on Inculcating human values in technical education conducted by AICTE, New Delhi from 21-25 September 2020 7. Attended five days workshop on "Data Science concepts theoretical & Practical Approach", conducted by DSU Bangaluru from 15-6-20 to 19-6-20 	
21.	Memberships	LMISTE
22.	Patents	Published a patent Recommendation Models For Big Data Analysis using MultiCriteria and Hybrid Collaborative filter, Publication date : 13/11/2020 Patent office Journal No. 46/2020 dated 13/11/2020