

Dr. K. Madahvi
Professor,
Department of CSE JNTUA College of Engineering

Ph: 9440206501,
kasamadhavi.cse@jntua.ac.in

CAREER PROFILE:

A well presented, dynamic and inspirational professor with more than +18 years of teaching experience, and a wealth of knowledge in development and implementation of educational technology tools and applications, who is committed to raising standards and ensuring that students acquire and consolidate knowledge, skills and understanding appropriate to the subject being taught.

EDUCATION QUALIFICATION:

Ph. D (Computer Science & Engineering) in 2012

M.Tech (Computer Science & Engineering) in 2002.

B.Tech (Electronics & Communications Engineering) in 2000.

Diploma (Electronics & Communications Engineering) in 1990.

PROFESSIONAL TEACHING EXPERIENCE (21+ YEARS)

1. Professor, Department of CSE, JNTUACEA, from 15th July 2023 to till date.
2. Associate Professor, Department of CSE, JNTUACEA, from 2016 to 15th July 2023.
3. Assistant Professor, Department of CSE, JNTUACEA, from 2006 to 2016.
4. Assistant Professor, Department of CSE, Sri Vidyanikethan Engineering College, Rangampet from 2003 to 2006.
5. Assistant Professor, Department of CSE, Sri Venkateswara College of Engineering & Technology, Chittoor from 2002 to 2003.

RESEARCH EXPERIENCE : +11 Years

ADMINISTRATIVE AND ACADEMIC POSITIONS

1. Deputy Controller of Examination, JNTUACEA from 7 Nov 2024 to Till Date
2. Head, Department of CSE, JNTUACEA, from May 3rd 2021 to 15th April 2023.
3. TEQIP- III, JNTUACEA coordinator from March 02nd 2020 to till date
4. Additional Controller of Examinations, JNTUA, from 2015 to 2019.
5. Officer In charge of Academic Section (OAS), JNTUA from 8-3-2013 to 31-7-2015.

6. UG Lab-in-Charge, Dept. of CSE, JNTUA, from January 2013 to March 2013.
7. NSS Program Officer, JNTUA from 3-1-2012 to 8-3-2013.
8. R&D Lab-in-Charge from June 2007 to December 2012.
9. Department Library-in-Charge from January 2007 to October 2012.
10. Deputy Warden for Hostels, JNTUA from 27-1-2009 to 7-3-2011.
11. Member, Board of Studies (BoS) in the department of Computer Science & Engineering at Siddartha Institute of Science and Technology, Puttur.
12. Member of the Governing body of the Vagdevi College of Pharmacy and Research Centre, Nellore.
13. Member of the Governing body of Sri Sai Institute of Engineering & Technology, Ananthapuramu.
14. Coordinator for various workshops, seminars and symposiums conducted at Dept. of CSE, JNTUA.
15. Member, IQAC, JNTUA.
16. Member in various purchase committees in the college and University.

Patents

1. “Hybrid Honeycomb-Lattice Encryption Model for Quantum-Resistant Cloud Security with Granular Access Control” Filed with Application No 202541005272. on January 2025.
2. “System And Method For Automatically Summarizing Text” filed with Application No: 202041001299 published on 21 March 2022
3. “An Intelligent Torchlight” filed with Application number: No.202141020583 A, published on 14/05/2021.
4. “An Apparatus for Detection of Gas Leakage” filed with Application number: 201941003789, published on 02/08/2019.

Research Projects

1. Completed a research project under “UGC XII Plan 2016-17” with project title: “A real-time Rolled Fingerprint Recognition using MATLAB” for an amount of Rs. 1,69,000/-

Books Published

1. Introduction And Fundamental Concepts Of Machine Learning (Paperback, Dr. P. Sumithabhashini, Dr. KasaMadhavi, Mr. Ramesh Alladi, Mr. Ch. Vijaya Kumar). ISBN: 9788196024338, Publisher: AG Publishing House, Edition: 1, 2022
2. “Programming with R” published by Cengage in 2018, ISBN: 9789386858177.

3. Recent Innovations in Computer Network (National Conference Proceedings), ISBN: 978-93-83635-90-0.

Publications & Presentations

International Journals

1. Dr. K. Madhavi et al “AGOA: Adam gazelle optimisation algorithm for collaborative e-learning application in cloud computing with load balancing” International Journal of Wireless and Mobile Computing Vol 28 Issue Dec,2024, DOI: [10.1504/IJWMC.2025.143036](https://doi.org/10.1504/IJWMC.2025.143036), page No: 20-33,(SCOPUS-indexed journal).
2. Dr. K. Madhavi et al “Collaborative E-Learning Application with Course Recommendation in Cloud Computing” Journal of Information & Knowledge Management Vol 23 Issue 06, 2024, <https://doi.org/10.1142/S0219649224500886>, (SCOPUS-indexed journal).
3. Dr. K. Madhavi et al “Automated self-Optimization Using Multi Channel Scheduling in Distributed Wireless Communication Networks” Journal of Engineering Sciences Vol 15 Issue 05,2024, ISSN:0377-9254, page No: 253-262. <https://jespublication.com/uploads/2024-V15I5028.pdf>
4. Dr. K. Madhavi et al “Adaptive QoE-based video delivery by optimizing the bitrate of the video course using network bandwidth and user bandwidth” Concurrency and Computation: Practice and Experience Early View. 25 March 2024, <https://doi.org/10.1002/cpe.8114> (SCOPUS-indexed journal).
5. Dr. K. Madhavi et al., "Design and Evaluation of a Quantum-Resilient Cryptographic Framework for Enhancing Security and Efficiency in Distributed Cloud Environments," *SSRG International Journal of Electrical and Electronics Engineering*, vol. 11, no. 7, pp. 1-22, 2024. Crossref,<https://doi.org/10.14445/23488379/IJEEE-V11I7P> (Scopus)
6. Dr. K. Madhavi et al., "Enhancing Cloud Security: A Hybrid Honeycomb-Lattice Encryption Model for Quantum Resistance," *SSRG International Journal of Electronics and Communication Engineering (IJECE)*, vol. 11, no. 3, pp. 141-159, 2024. Crossref, <https://doi.org/10.14445/23488549/IJECE-V11I3P115> (Scopus)
7. Dr. K. Madhavi et al., “Efficient Big Data Storage in Cloud with Unique Authentication Approach for Privacy Access”, *International Journal of Intelligent Systems and Applications in Engineering (IJISAE)*, 2024, 12(3), 631-637. (SCOPUS-indexed journal).
8. Dr. K. Madhavi et al., “Two-Layer Scheduling Approach to Perform Improved Resource Utilization in Cloud Computing”, *Scandinavian Journal of Information Systems*, Vol. 35 No. 1 Feb-Mar 2023, ISSN: 0905-0167, E-ISSN:1901-0990, DOI: 10.5281/SJIS.7739826. (SCOPUS-indexed journal).

9. Dr. K. Madhavi et al., "Improved quality of service with fuzzy-based optimised resource allocation with energy consumption-based IoT network application", *SoftComputing (Hybrid (Transformative Journal))*, June 2023, E-ISSN: 1433-7479, P-ISSN: 1432-7643, DOI: 10.1007/s00500-023-08281-y. (SCIE-indexed journal, Springer)
10. Dr. K. Madhavi et al., "RAS: A Profiling based Dynamic resource allocation for Big Data streams", *International Journal of Creative Research Thoughts (IJCRT)*, ISSN:2320-2882, Volume.11, Issue 8, pp.f367-f376, August 2023, Available at :<http://www.ijcrt.org/papers/IJCRT2308581.pdf> (UGC-Approved journal)
11. Dr. K. Madhavi et al., " An Efficient Cloud Data Sharing and Accessing Control Based on Public-Key Encryption with Authentication Search", *International Journal of Intelligent Engineering and Systems (IJIES)*, 2023, 16(5), 339-349. (SCOPUS-indexed journal).
12. Dr. K. Madhavi et al., "Balanced Prediction Based Dynamic Resource Allocation Model for Online Big Data Streams using Historical Data", *International Journal of Intelligent Systems and Applications in Engineering (IJISAE)*, VOL. 10, NO. 2S, 2022, 81-87, ISSN:2147-6799. (SCOPUS-indexed journal)
13. Dr. K. Madhavi et al., "A multi-preference integrated algorithm (MPIA) for the deep learning-based recommender framework (DLRF)", *International Journal of Intelligent Computing and Cybernetics* 21 Jan 2022, <https://doi.org/10.1108/IJICC-11-2021-0257> (ESCI &Scopus-A)
14. Dr. K. Madhavi. Intrusion detection system in distributed cloud computing: Hybrid clustering and classification methods. *Measurement: Sensors*. (2022) 2665-9174/© Nov, 2022, <https://doi.org/10.1016/j.measen.2022.100612>(Scopus, Elseiver)
15. Dr. K. Madhavi et al., "Adaptive Exponential Bat algorithm and deep learning for big data classification", *Sadhana-Academy Proceedings in Engineering Sciences*, Springer Nature Switzerland, Volume 46, Issue 1, Article No: 15, 03 February 2021. DOI: 10.1007/s12046-020-01521-z (**SCIE-A**)
16. Dr. K. Madhavi et al., "Energy and Trust Aware Secure Routing Algorithm for Big Data Classification Using Mapreduce Framework in IoT Networks", *International Journal of Modeling, Simulation, and Scientific Computing*, World Scientific Publishing Co Pte Ltd, (Online Ready), 29 January 2021. DOI: 10.1142/S1793962321500100 (ESCI &**Scopus-A**)
17. Dr. K. Madhavi et al., "Trust and Energy Aware Routing Algorithm for IoT Networks," *International Journal of Numerical Modelling- Electronic Networks, Devices and Fields*, Volume 34, Issue 4, 12 January 2021, Wiley, (DOI: 10.1002/jnm.2858) (**SCIE-A**)
18. Dr. K. Madhavi et al., "Setting up AdHoc Cloud Computing as a Service in Mobile AdHoc Cloud Computing Environment," *International Journal of Interdisciplinary Telecommunications and Networking (IJITN)*, Volume 13, Issue 1, January 2021. (**Web of Science-ESCI & UGC Indexed Journal**).

19. Dr. K. Madhavi et al., Cloud Security Solutions Through Machine Learning- Approaches: A Survey. International Journal of Aquatic Science. ISSN: 2008-8019, Vol 12, Issue 02, 2021, page no. 1958-1972. http://www.journal-aquaticscience.com/article_133062.html
20. Dr. K. Madhavi et al., “An empirical study of the big data Classification methodologies”, International Journal Bioinformatics Research and Applications, Inderscience Publisher, Volume-16, No. 2, Page No. 195-215, 13 July, 2020. DOI: 10.1504/IJBRA.2020.108413 **(Scopus-A)**
21. K. Madhavi et al., “Approaches to Address the Operational Limitations of MANETs through Ad Hoc Mobile Cloud Computing Paradigm,” International Journal of Interactive Mobile Technologies (IJIM), Vol. 14, Issue 9, June 2020. **(Scopus-A)**
22. K. Madhavi et al., Improving the Dissemination of Messages in MANETs through an Optimal Carrier, International Journal of Networking and Virtual Organisations, Vol. 23, no. 4, May 2020. **(Scopus-A)**
23. K. Madhavi et al., Enhancing the storage of mobile nodes through ad hoc storage as a service in MANETs. Int J Communication Systems, January 2020 (Early View); e4297. **(SCIE-A)**
24. K. Madhavi et al., Integrates DMH and IDMH Heuristic Algorithms to Automate the Reassigning Virtual Machines in IaaS Clouds, Solid State Technology, Vol. 63, no. 6, 2020. **(Scopus-A)**
25. K. Madhavi et al., Convolutional Neural Networks for Predicting 2D and 3D Skelton of Diverse Objects, Solid State Technology, Vol. 63, no. 6, 2020. **(Scopus-A)**
26. K. Madhavi et al., Convolutional recurrent neural network with template based representation for complex question answering, International Journal of Electrical and Computer Engineering, Vol. 10, No. 3, June 2020, pp. 2710-2718. **(Scopus-A)**
27. K. Madhavi et al., Hierarchy based firefly optimized k-means clustering for complex question answering, International Journal of Electrical Engineering and Computer Science, Vol. 17, No. 1, January 2020, pp. 264-272. **(Scopus-A)**
28. K. Madhavi et al., Artificial Neural Networks based Nutrition Monitoring System Using Internet of Things, International Journal of Future Generation Communication and Networking, Vol. 13, No. 4, 2020, pp. 4197 – 4202. ISSN: 2233-7857. **(E)**
29. K. Madhavi et al., Controlling Hypervisor for Live-Migration in Bare-Metal Clouds, International Journal of Scientific Research and Review, Volume 7, Issue 9, September 2019. **(E)**
30. K. Madhavi et al., Handover Management in Ultra-dense 5G Networks, International Journal of Scientific Research and Review, Volume 7, Issue 9, September 2019. **(E)**
31. K. Madhavi et al., Efficient CT Image Compression using Block Processing Compression with DWT, International Journal of Scientific Research and Review, Volume 7, Issue 9, September 2019. **(E)**

32. K. Madhavi, et. al., A Multilevel Principal Component Analysis Based QoS Aware Service Discovery And Ranking Framework In Multi-Cloud Environment, *Journal of Theoretical and Applied Information Technology*, June 2019. **(Scopus-A)**
33. K. Madhavi, et. al., EGCOPRAS: QoS-Aware Hybrid MCDM Model for Cloud Service Selection in Multi-Cloud Environment, *Journal of Adv. Research in Dynamical & Control Systems*, June 2019. **(Scopus-A)**
34. K. Madhavi, et. al., QoS-Driven Optimal Multi-Cloud Service Composition Using Discrete and Fuzzy Integrated Cuckoo Search Algorithm, *International Journal of Engineering and Advanced Technology*, June 2019. **(Scopus-A)**
35. K. Madhavi, et. al., Improving Performance of Live Migration using Log Table Based Method without Violating Service Level Agreement, *International Journal of Recent Technology and Engineering*, May 2019. **(Scopus-A)**
36. Madhavi, K et. al., A circumscribed research of load balancing techniques in cloud computing. *Int. J. Innov. Technol. Exploring Eng.(IJITEE)*, 8, 336-339. DOI: 10.35940/ijitee.F1068.0486S419, April 2019.
37. K. Madhavi, et. al., Multimodal Medical Image Fusion based on Undecimated Wavelet Transform and Fuzzy Sets, *International Journal of Innovative Technology and Exploring Engineering*, April 2019. **(Scopus-A)**
38. K. Madhavi, EMI-RNN – Enhanced Multilayer Independently Recurrent Neural Networks for Handover Optimization in 5G Ultra Dense Networks, *International Journal of Research in Advent Technology*, February 2019. **(E)**
39. Dr. K. Madhavi, et. al., “A Research on Big data Privacy Preservation Methods”, *International Journal of Recent Technology and Engineering (IJRTE)*, 8(1S4), 2019, 175-177. (SCOPUS-indexed journal).
40. K. Madhavi, et. al., Security challenges of Big Data storage in Cloud environment: A Survey, *International Journal of Applied Engineering Research*, November 2018. **(Scopus-A)**
41. K. Madhavi, et. al., Machine Learning Challenges with BigData, *Journal of Innovation in Computer Science and Engineering*, October 2018. **(E)**
42. K. Madhavi, et. al., Poi-Based Service Rating Prediction For Personalized Recommendations, *Journal of Emerging Technologies and Innovative Research*, July 2018. (IF: 5.87) **(E)**
43. K. Madhavi, et. al., EEDS: An Efficient Multi Keyword Search Scheme Over Encrypted Data on Mobile Cloud, *International Journal of Computer Sciences and Engineering*, June 2018. **(E)**
44. K. Madhavi, et. al., Evaluating the QoS Cognizance in Composition of Cloud Services: A Systematic Literature Review, *International Journal of Engineering & Technology*, June 2018. **(E)**

45. K. Madhavi, et. al., Automatic Entity Mapping for Scalable Data Exchange, International Journal of Emerging Technologies and Innovative Research, June 2018. (IF: 5.87) (E)
46. K. Madhavi, et. al., A Secure Authentication Scheme against password Guessing Attacks, International Journal of Computer Sciences and Engineering, Vol. 06 Issue 06, June 2018. (IF: 3.022) (E)
47. K. Madhavi, et. al., Cost Effective Self-Tuning Cloud Application with Multiple Cores, International Journal of Emerging Technologies and Innovative Research, June 2018. (IF: 5.87) (E)
48. Dr. K. Madhavi et. al., “Security challenges of Big Data storage in Cloud environment: A Survey”, International Journal of Applied Engineering Research, 13(7), 2018, 13237-13244.
49. K. Madhavi, et. al., A Survey on Types of Question Answering System, IOSR Journal of Computer Engineering, Vol. 19, No. 6, Nov/December 2017, pp. 19-23. (E)
50. K. Madhavi, et. al., Efficient Data Utilization and Content Privacy in Hybrid Cloud, South Asian Journal of Engineering and Technology, October 2016. (E)
51. K. Madhavi, et. al., CP-ABE with Fine Grained Access Control and Verifiable Delegation in Cloud Computing, South Asian Journal of Engineering and Technology, October 2016. (E)
52. K. Madhavi et.al., Minimization of Trapdoors under Multi Owners Using KASE Scheme in Cloud Storage, South Asian Journal of Engineering and Technology, October 2016. (E)
53. K. Madhavi, et. al., A fuzzy Based Dynamic Queue Management Approach to Improve QoS in Wireless Sensor Networks, International Journal of Advanced Research in Innovative Discoveries in Engineering and Applications, October 2016. (E)
54. K. Madhavi, Assistant Professor, Department of CSE, JNTUACEA, Published a paper “Preserving Privacy for Access Policies for Secure Data Storage in Clouds”, International Journal of Computer Science & Engineering Technology (IJCSET), Vol. 6 No. 07, Jul 2015. (E)
55. K. Madhavi, Assistant Professor, Department of CSE, JNTUACEA, Published a paper “Cross Layered Congestion Tolerance for Wireless Ad hoc Networks”, International Research Journal of Engineering and Technology (IRJET), Vol. 02 Issue 04, July-2015 (E)
56. K. Madhavi, Assistant Professor, Department of CSE, JNTUACEA, Published a paper “ A Mobility Management Scheme for Handling Handoffs in Cognitive Radio Networks”, International Journal of Advanced Information Science and Technology Vol.27, No. 27, July 2014. (E)
57. K. Madhavi, Assistant Professor, Department of CSE, JNTUACEA, Published a Paper “Cross Layer Reliability Maximization in Layered Networks with Random Link Failures”, International Journal of Computer Technology, Dec-2013. (E)

58. K. Madhavi, Assistant Professor, Department of CSE, JNTUACEA, Published a paper “Non Functional Requirement based semantic Web Service Composition”, International Journal on Global Research Analysis, Nov-2013. (E)
59. K. Madhavi, Assistant Professor, Department of CSE, JNTUACEA, Published a paper “A Hybrid Model for Fast Converge Cast in Tree-Based Wireless Sensor Networks”, International Journal Of Electronics Communication and Computer Engineering, Volume 4, Nov-2013. (E)
60. K. Madhavi, Assistant Professor, Department of CSE, JNTUACEA, Published a paper “Multi-Target Tracking using Ant Colony Optimization for Static Sensor Networks”, International Journal of Application or Innovation in Engineering & Management (IJAIEEM), Oct-2013. (E)
61. K. Madhavi et al., “Improved Discriminative Model for ViewInvariant Human Action Recognition,” International Journal of Computer Science & Engineering Technology (IJCSET), Vol. 4 No. 09 Sep 2013, pp. 1263-1270. (E)
62. K. Madhavi, et al An approach for efficient band width management based on Hand off based Channel allocation algorithm in wireless networks, International Journal of Multi displ. Research & Advances in Engg. (IJMRAE), ISSN 0975-7074, Vol. 4, No. I (January 2012). (E)
63. K. Madhavi, et al Optimal Channel Allocation Algorithm with Efficient Bandwidth Reservation for Cellular Networks, International Journal of Computer Applications (IJCA) (0975 – 8887) Volume 25– No.5, July 2011 (E)
64. K. Madhavi, et al Bandwidth Allocation for Wireless Data Dissemination in Multi-Cell Environments Using Optimization Techniques, International Journal of Advanced Networking and Applications (IJANA)(UGC)Volume: 03; Issue: 03; Pages:1180-1183 (July 2011) (E)
65. K. Madhavi, et al Smt. K. Madhavi, K. Sandhya Rani, P. Chandrasekhar Reddy, A.Giridhar. An Optimization method for dynamic channel allocation with queues in cellular Networks, Journal of Research in recent Trends (JRRT) Volume: 01: issue: May/July 2011: Pages:48-54(2011) (E)
66. K. Madhavi, et al, “Security for web applications using wiretap library”, in CiiT International Journal of Networking and Communication Engineering, Vol 3, No 1, January 2011. (E)
67. K. Madhavi, et al “DPCS approach in Peer-to-Peer Networks for Reducing the File Download Time”, in CiiT International Journal of Networking and Communication Engineering, Vol 3, No 1, January 2011. (E)

International Conferences

1. Dr.K. Madhavi et al., “A Unique Key Integrity Agreement Approach for Big Data Storage and Privacy Access in Cloud”, International Conference on Electronics and Renewable Systems (ICEARS), 2022, 1572-1578.

2. K. Madhavi et al., "Integration of Artificial Intelligence and the Internet of Things with Blockchain Technology," presented at the International Conference on Computational and Bio Engineering (CBE 20), jointly Organized by Departments of Computer Science, Bio Sciences & Sericulture, Sri PadmavatiMahilaVisvavidyalayam (Women's University) Tirupati, Andhra Pradesh, India, 4th & 5th December 2020.
3. Dr. K. Madhavi et. al., "Adaptive hybrid optimization enabled stack autoencoder-based mapreduce framework for big data classification", International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE 2020), VIT, Vellore on 24th – 25th February 2020. DOI: 10.1109/ic-ETITE47903.2020.6366147 (IEEE Xplore)
4. K. Madhavi, et. al., Controlling Hypervisor for Live-Migration in Bare-Metal Clouds, 8th International Conference on Multidisciplinary research, 6th-7th September 2019.
5. K. Madhavi., et. al., Handover Management in Ultra-dense 5G Networks, 8th International Conference on Multidisciplinary research, 6th-7th September 2019.
6. K. Madhavi., et. al., Efficient CT Image Compression using Block Processing Compression with DWT, 8th International Conference on Multidisciplinary research, 6th-7th September 2019.
7. Dr. K. Madhavi et. al., "An Inception towards better Big Data Clustering Technique", International Conference on Advances in Signal Processing, Power, Embedded, Soft Computing, Communication and Control 84 Systems (ICSPECS-2019), G. Pulla Reddy Engineering College, Kurnool on 11th - 12th Jan, 2019. B10400182S219/19/19©BEIESP (Scopus)
8. K. Madhavi et. al., Framework for Improved Dynamic Adaptive Question Answering System, International Conference on New Trends in Engineering & Technology (ICNTET), 7th & 8th September 2018.
9. Dr. K. Madhavi et. al., "An Inception towards better Classification Technique for Big Data", International Conference on Innovations in Computer Science and Engineering (ICICSE-2018), Guru Nanak Institutions, Hyderabad on 17th - 18th Aug, 2018. DOI: 10.1007/978-981-13-7082-3_60 (SPRINGER)
10. Dr. K. Madhavi, et al., A Survey on SLA based Resource Allocation Strategies in Cloud Computing Environment, International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing, 2018.
11. Dr. K. Madhavi et. al., An Investigation into the Operational Limitations of Mobile Ad Hoc Networks, 2017 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), March 2017.
12. Dr. K. Madhavi et. al., Wi-Fi Central Server Integrated with Cloud for Collaborative e-Learning as a Service System, International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), 2016.

13. K. Madhavi et al., Rectification of Distortion in Single Rolled Fingerprint, International Conference on Circuits, Control, Communication and Computing (I4C), 2016.
14. Dr. K. Madhavi et al., Cloud Computing Architecture for Collaborative E-learning System, International Conference on Applied and Theoretical Computing and Communication Technology, 2015.
15. Dr. K. Madhavi et al., Effective Image Retargeting using Mesh Parameterization, International Conference on Technology and Management – ICTM2011 International Conference on “Nanoscience, Engineering and Advanced Computing(ICNEAC2011)”
16. Dr. K. Madhavi et al., Routing Mechanism for Distributed Subset Search, International Conference on “Nanoscience, Engineering and Advanced Computing(ICNEAC2011)
17. Dr. K. Madhavi et al., Storage Capacity Management using DT-RD in Sensor Networks, International Conference on Computer Science & Information Technology(CSIT-2011)
18. Dr. K. Madhavi et al., Load Control for Intra Cluster Routing in Wireless Mesh Networks, International Conference on Computer Science & Information Technology, 2011
19. Dr. K. Madhavi et al., Advanced Organization of Routes in mTreebone for Video Streaming, International Conference on Computer Science & Information Technology, 2011
20. Dr. K. Madhavi et al., An Effective Intrusion Detection in Homogeneous and Heterogeneous Wireless Sensor Networks, International Conference on Emerging Technology Trends in Cloud Computing(ICETT), 2011
21. Dr. K. Madhavi et al., Dual Boot-Strap Server Based Superpeer Overlay Construction, International Conference on Computer Science & Information Technology, 2011
22. Dr. K. Madhavi et al., Optimizing the Process modeling by Using Exception Handling Mechanism, International Conference on Computer Science & Information Technology, 2011.
23. Dr. K. Madhavi et al. K. Madhavi and V. Manoj Kumar , “An Algorithmic approach In Peer-to-Peer Networks for Reducing the File Download Time”, International Conference on ICIRET 2010, PCET, Coimbatore, TN, August, 2010
24. Dr. K. Madhavi et al. K. Madhavi and Vanitha Akinapalli, “Security for Web Applications Using Wiretap Library”, International Conference on ICIRET 2010, PCET, Coimbatore, TN, August, 2010
25. Dr. K. Madhavi et al. K. Madhavi and J. Umamaheswararao, “A Model for Progressive Sequential Pattern Mining”, International Conference on ICIRET 2010, PCET, Coimbatore, TN, August, 2010.
26. Dr. K. Madhavi et al. K. Madhavi and V. Mahammad Shakeer, “Optimizing Bandwidth Usage and Reallocating Unused Bandwidth in Heterogeneous Wireless Networks”, International Conference on ICIRET 2010, PCET, Coimbatore, TN, August, 2010

27. Dr. K. Madhavi et al K. Madhavi and G. Hemanth Kumar Yadav, "An Efficient Scheduling Algorithm for TCP/IP Over 3G Wireless Networks", International Conference on ICIRET 2010, PCET, Coimbatore, TN, August, 2010
28. Dr. K. Madhavi et al "User choice in Internet Routing Architecture," Proc. International Conference on Research Applications in Engineering and Management, Anna University, Thirucharapally, India. 27th -29th May 2009
29. Dr. K. Madhavi et al "Minimizing Congestion by Multipath Routing," Proc. International Conference on Operations Research Application in Engineering Management Anna University, Thirucharapally, India. 27th -29th May 2009.
30. Dr. K. Madhavi et al "An Efficient Webpage Change Detector using Hungarian Algorithm," Proc. International Conference on Information Technology and Business Intelligence at Nagpur.

National Journals

1. K. Madhavi, et al An approach for efficient band width management based on Hand off based Channel allocation algorithm in wireless Networks. Indian Journal of Information Science and Technology, (IJIST) ISSN 0973-3817, Vol. 6, Issue :02 (May 2011), pp. 26 -38. (E)
2. K. Madhavi, et al An efficient Bandwidth Reservation Scheme for Cellular Networks, Indian Journal of Computing Technology (IJCT) Vol: 06 Issue 01 (May 2011) ISSN : 0973 – 5127 pp.33-42. (E)

National Conferences Attended

1. K. Madhavi et al., "An Insight into the Women Academicians' Problems in the COVID-19 Pandemic," Two Day National Conference on "Role of Women in Self-Empowerment and Leadership (RWSL-2020)," November 25-26, 2020, organized by Women Empowerment Cell (WEC), Sri Venkateswara Degree & PG College, Ananthapuram, India.
2. K. Madhavi et al., "Energy Efficient Secure Aggregation Technique in Wireless Sensor Network," National Conference on Recent Innovations in Computer Networks (NCRICN-2015) held at JNTUACEA on 21st & 22nd August 2015.
3. K. Madhavi et al., "Cloud Application Interoperability: An Effect on Platform and Infrastructure," National Conference on Recent Innovations in Computer Networks (NCRICN-2015) held at JNTUACEA on 21st & 22nd August 2015.
4. K. Madhavi et al., "An efficient and Secure Data Retrieval System using CP-ABE for DTNs," National Conference on Recent Innovations in Computer Networks (NCRICN-2015) held at JNTUACEA on 21st & 22nd August 2015.
5. K. Madhavi et al., "Aggregated Pedestrian Fatality Data for Special Activity Summarization based on Distance Measure," National Conference on Recent Innovations in Computer Networks (NCRICN-2015) held at JNTUACEA on 21st & 22nd August 2015.

6. K. Madhavi et al., "Cross Layered Clogging Handling and Congestion Tolerance for Wireless Ad Hoc Networks," National Conference on Recent Innovations in Computer Networks (NCRICN-2015) held at JNTUACEA on 21st & 22nd August 2015.
7. Dr. K. Madhavi et al "Efficient Broadcasting in MANETs," Proc. National Conference on Data Mining and Network Security at S. V. University, Tirupati. 2nd -3rd April 2009.

Conference Organized

National Conference on Recent Innovations in Computer Networks on 21st & 22nd August 2015 at JNTUACEA, Ananthapuramu

Workshops Organized

1. One Day National Workshop on "Training Program for NBA Criteria and Accreditation Process" held at JNTUACEA on 3rd March 2015 as Co-Convener.
2. Organized One Day National Workshop on "Awareness Campaign on Ethical Hacking," on February 18th 2012 at JNTUACEA.
3. Organized One Day National Workshop on "Market-Oriented Cloud Computing," on December 27th 2011 at JNTUACEA.

Seminars Attended

1. Participated in the National Seminar on "Recent Trends in Networking & Security," organized by Department of CSE, JNTUACEA, on 15th & 16th of November 2013.

Symposiums Organized

1. Organized Two Day National Level Student's Symposium "PIXEL-2K8," on 18th & 19th December 2008 at JNTUACEA.

Awards And Recognitions

1. Received ISTE State Best Engineering Teacher award in 2021 Received in 2022.
2. Received best project award in "Refresher Course" at JNTU, Hyderabad.
3. Received award "Adarsh Vidya Saraswati Rashtriya Puraskar" from Global Management Council on 5 th Sep 2018.

Chair/Judge for Technical Events

1. Acted as **Session Chair** for the 4th International Conference on Computing (NECICC-2K16) at Narasaraopeta Engineering College, on 21st and 22nd October 2016.
2. Acted as judge for Elocution Competition in NSS University Level Youth Festival on 29th January 2016 at JNTUA.
3. Acted as judge for Poster Presentation Competition in NSS State Level Youth Festival during 12th & 13th February 2015 at JNTUA.

4. Acted as judge for Poster Presentation Competition in NSS State Level Youth Festival during 12th & 13th February 2015 at JNTUA.
5. Acted as Judge in National Level Technical Symposium FUZON-14 held on 18th October 2014 at Sri Krishnadevaray University College of Engineering and Technology, Ananthapuramu.
6. Acted as Judge for One Day National Level Technical Symposium “MITS-2K13,” on 8th February 2013 at Madanapalle Institute of Technology & Science, Madanapalle.
7. Acted as Judge for National Level Technical Symposium “INGINERO-2012,” on 27th February 2012 at ShriSai Institute of Engineering and Technology, Ananthapuramu.
8. Acted as Judge for National Level Technical Symposium “IGNITE2K16,” on 5-3-2016 at G. Pullaiah College of Engineering and Technology, Kurnool.

NSS Programs Organized

1. Organized NSS special Camp from 5th to 11th March 2012 at Gundhiredypally Village.

Other Professional Services

2. Editorial Board Member, International Journal Of Advanced Research In Innovative Discoveries In Engineering And Applications (IJARIDEA).
3. Reviewer, International Research Journal of Teacher Education, Premier Publishers.
4. Reviewer and Program Committee Member, International Conference on Intelligent and Smart Computing in Data Analytics (ISCDA 2020), K L University, Guntur, Andhra Pradesh, India.
5. Reviewer, 4th International Conference on Information, Communication & Computing Technology (ICICCT-2019), organized by Jagan Institute of Management Studies, New Delhi, India.
6. Chief Guest for the International Women’s Day Celebrations at Anantha Lakshmi Institute of Technology & Sciences, Ananthapuramu organized on 8th March 2019.
7. Reviewer, Third International Conference on Emerging Trends in Electrical, Communication and Information Technologies-2018 (ICECIT-2018), organized by SRIT, Ananthapuramu on 20-22 December 2018.
8. Organizing Secretary for the National Conference on Recent Innovations in Computer Networks (NCRICN-2015) held at JNTUACEA on 21st & 22nd August 2015.

Research Areas

- Computer Networks
- Cloud Computing

- Image Processing
- Big Data

Number of Ph.Ds Guided & Awarded

Total Guiding	:	15
Ongoing	:	15
Awarded	:	8

Number of PG & UG Projects Guided

B. Tech	:	
M. Tech	:	33
MCA	:	23