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

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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

- **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)

- **Professor**, Department of CSE, JNTUACEA, from 15th July 2023 to till date.
- **Associate Professor**, Department of CSE, JNTUACEA, from 2016 to 15th July 2023.
- **Assistant Professor**, Department of CSE, JNTUACEA, from 2006 to 2016.
- **Assistant Professor**, Department of CSE, Sri Vidyanikethan Engineering College, Rangampet from 2003 to 2006.
- **Assistant Professor**, Department of CSE, Sri Venkateswara College of Engineering & Technology, Chitoor from 2002 to 2003.

RESEARCH EXPERIENCE

- Research experience: +11 Years

ADMINISTRATIVE AND ACADEMIC POSITIONS

1. Head, Department of CSE, JNTUACEA, from May 3rd 2021 to 15th April 2023.
2. TEQIP- III, JNTUACEA coordinator from March 02nd 2020 to till date
3. Additional Controller of Examinations, JNTUA, from 2015 to 2019.
4. Officer In charge of Academic Section (OAS), JNTUA from 8-3-2013 to 31-7-2015.
5. UG Lab-in-Charge, Dept. of CSE, JNTUA, from January 2013 to March 2013.
6. NSS Program Officer, JNTUA from 3-1-2012 to 8-3-2013.
7. R&D Lab-in-Charge from June 2007 to December 2012.
8. Department Library-in-Charge from January 2007 to October 2012.

9. Deputy Warden for Hostels, JNTUA from 27-1-2009 to 7-3-2011.

10. Member, Board of Studies (BoS) in the department of Computer Science & Engineering at Siddartha Institute of Science and Technology, Puttur.

11. Member of the Governing body of the Vagdevi College of Pharmacy and Research Centre, Nellore.

12. Member of the Governing body of Sri Sai Institute of Engineering & Technology, Ananthapuramu.

13. Coordinator for various workshops, seminars and symposiums condicted at Dept. of CSE, JNTUA.

14. Member, IQAC, JNTUA.

15. Member in various purchase committees in the college and University.

PATENTS

1. An Intelligent Torchlight" filed with Application number: No.202141020583 A, published on 14/05/2021.

2. "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. "Programming with R" published by Cengage in 2018, ISBN: 9789386858177.

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

AWARDS AND RECOGNITIONS

1. Received **ISTE State Best Engineering Teacher** award in 2021.

2. Received best project award in "Refresher Course" at JNTU, Hyderabad.

3. Received award "**Adarsh Vidya Saraswati Rashtriya Puraskar**" from GlobalManagement Council on 5th Sep 2018.

PUBLICATIONS & PRESENTATIONS

- *International Journals*
    1. Dr. K. Madhavi et al SessionRNNRec: a deep learning based framework for modelling user sessions to generate accurate recommendations" International Journal of System Assurance Engineering and Management (2021) 24th July 2021.

https://doi.org/10.1007/s13198-021-01197-6. **(SCIE-A)**

2. 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)**

3. 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**)

4. 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)**

5. 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**).

6. 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)**

7. 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)

8. 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)**

9. 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)**

10. 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)**

11. 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)**

12. 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)**

13. 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)**

14. K. Madhavi et. al., Cloud Security Solutions through Machine Learning Approaches: A Survey, International Journal of Computer Engineering in Research Trends, Vol.7, No. 12, December 2020. Pp. 14 – 26. ISSN: E2349-7084. **(E)**

15. 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)**

16. 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)**

17. 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)**

18. 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)**

19. 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)**

20. 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)**

21. 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)**

22. 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)**

23. 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)**

24. 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)**

25. 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)**

26. 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)**

27. K. Madhavi, et. al., Machine Learning Challenges with BigData, Journal of Innovation in Computer Science and Engineering, October 2018. **(E)**

28. 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)**

29. 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)**

30. 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)**

31. 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)**

32. 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)**

33. 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)**

34. 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)**

35. K. Madhavi, et. al., Efficient Data Utilization and Content Privacy in Hybrid Cloud, South Asian Journal of Engineering and Technology, October 2016. **(E)**

36. 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)**

37. 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)**

38. 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)**

39. 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)**

40. 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)**

41. 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)**

42. 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)**

43. 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)**

44. 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)**

45. 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 (IJAIEM), Oct-2013. **(E)**

46. 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)**

47. 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)**

48. 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)**

49. 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)**

50. 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)**

51. 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)**

52. 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. 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 Padmavati Mahila Visvavidyalayam (Women's University) Tirupati, Andhra Pradesh, India, 4th & 5th December 2020.

2. 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)

3. K. Madhavi, et. al., Controlling Hypervisor for Live-Migration in Bare-Metal Clouds, 8th International Conference on Multidisciplinary research, 6th-7th September 2019.

4. K. Madhavi., et. al., Handover Management in Ultra-dense 5G Networks, 8th International Conference on Multidisciplinary research, 6th-7th September 2019.

5. K. Madhavi., et. al., Efficient CT Image Compression using Block Processing Compression with DWT, 8th International Conference on Multidisciplinary research, 6th-7th September 2019.

6. 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)

7. 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.

8. 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)

9. 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.

10. 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.

11. 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.

12. K. Madhavi et. al., Rectification of Distortion in Single Rolled Fingerprint, International Conference on Circuits, Control, Communication and Computing (I4C), 2016.

13. K.Madhavi et. al., Cloud Computing Architecture for Collaborative E-learning System, International Conference on Applied and Theoretical Computing and Communication Technology, 2015.

14. DrK.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)"

15. K.Madhavi et al., Routing Mechanism for Distributed Subset Search, International Conference on "Nanoscience, Engineering and Advanced Computing(ICNEAC2011

16. K.Madhavi et al., Storage Capacity Management using DT-RD in Sensor Networks, International Conference on Computer Science & Information Technology(CSIT-2011)

17. K.Madhavi et al., Load Control for Intra Cluster Routing in Wireless Mesh Networks, International Conference on Computer Science & Information Technology, 2011

18. K.Madhavi et al., Advanced Organization of Routes in mTreebone for Video Streaming, International Conference on Computer Science & Information Technology,2011

19. 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

20. K.Madhavi et al., Dual Boot-Strap Server Based Superpeer Overlay Construction, International Conference on Computer Science & Information Technology,2011

21. K.Madhavi et. al., Optimizing the Process modeling by Using Exception

Handling Mechanism, International Conference on Computer Science & Information Technology, 2011.

22. 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

23. 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

24. 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.

25. K.Madhavi et al K. Madhavi and V. MahammadShakeer, "Optimizing Bandwidth Usage and Reallocating Unused Bandwidth in Heterogeneous Wireless Networks", International Conference on ICIRET 2010, PCET, Coimbatore, TN, August, 2010

26. 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

27. 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

28. 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.

29. 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. 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.

  - *Organized*

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

WORKSHOPS

- *Attended*

    1. Participated in TEQIP-III sponsored **Three-Day Workshop** on **Pedagogical Skills for Faculty in Outcome-Based Education**, held during 6-8 December 2019 conducted at JNTUA College of Engineering, Ananthapuramu.

    2. Participated in One Day Workshop on "Innovations in Technology," on 9th December 2015 at JNTUA.

    3. Participated in One Day Workshop on "Cyber Security," on 8th October 2015 at JNTUA.

    4. Participated in "Complimentary Training/Orientation on MATLAB, Simulink & Related Tool Boxes for Engineering Education" on 7th October 2015.

    5. Participated in One Day Workshop on "Role of Women in Engineering (WIE)," on 19th September 2015 at JNTUA.

    6. Participated in One Day Workshop on "Awareness on IT/ITES Job Roles and Big Data Analytics," on 20th August 2015, at JNTUA.

    7. Participated in One Day Workshop on "Awareness on Washington Accord for Outcome Based Education," on 4th August 2015, at JNTUA.

    8. Participated in One Day Workshop on "Agile Methodologies" on 25th February 2015.

    9. Participated in the Two Day Workshop on "IBM DB2 Academic Associate," conducted by IBM Hyderabad at JNTUACEA, Ananthapuramu during 19th & 20th December 2014.

    10. Participated in the Two Day Training Program on Bharath Operating System Solutions (BOSS) – Minimalistic Object Oriented Linux (MOOL)," held at JNTUACEA, Ananthapuramu during 16th & 17th October 2014.

    11. Participated in the Two Day Workshop on "Outcome Based Education Approach in Engineering Curriculum," organized by JNTUACEA, on 26th & 27th of August 2014.

    12. Participated in One Day Workshop on "Technology Enhanced Learning through NMEICT-Implementation of Spoken Tutorial Project," in Collaboration with IIT Bombay at JNTUACEA on 10th July 2014.

- *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 20111 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.

FACULTY DEVELOPMENT PROGRAMS

- *Attended*

    1. Participated and completed AICTE Training & Learning (ATAL) Academy Online FDP on "Developing consciousness (Transcendental Meditation)," from 9th to 13th of November 2020 at JNTUA College of Engineering.

    2. Participated and completed AICTE Training & Learning (ATAL) Academy Online FDP on "Blockchain" from 8th to 12th of September 2020 at JNTUA College of Engineering (Autonomous).

    3. Participated in 5 days Online Faculty Development Program on Basic of R Programming organized by Department of CSE, Rajiv Gandhi University, Arunachal Pradesh in association with IIT Bombay Spoken Tutorial from April 29th to May 3rd 2020.

    4. Participated in an AICTE sponsored Two-Week Faculty Development Program on "Mathematical Modeling and Simulation for Scientists & Engineers" organized by Department of Chemical Engineering, JNTUA-CE, Ananthapuramu during 24-02-2020 to 07-03-2020.

    5. Participated in TEQIP-III sponsored **One-Week Faculty Development Programme** on **Research Methodology and Data Analytics** during 23-28

September 2019 conducted at JNTUA College of Engineering, Ananthapuramu.

6. Participated in the Three Day Faculty Development Program on Big Data Analytics held from 20-Feb-2017 to 22-Feb-2017 at JNTUA College of Engineering, Anantapuramu.

7. Participated in the Two Weeks Faculty Development Program on Entrepreneurship from 6th to 18th July 2015 sponsored by Entrepreneurship Development Institute of India under DST-NIMAT organized by Entrepreneurship Development Cell, JNTUH in association with JNTUA.

8. Participated in the Two Day Faculty Development Program on Progamming in C & Data Structures held at JNTUACEA, Anaanthapuramu on 25th & 26th March 2015.

ORIENTATION & REFRESHER COURSES

- *Attended*

    1. Participated in Three Weeks UGC sponsored Refresher Course on Gender Studies from 3rd to 23rd February 2016 organized by MANUU at Hyderabad.

    2. Participated in Three Weeks UGC sponsored Refresher Course on Networks Security and Cryptography from 11th September 2013 to 1st October 2013 at JNTUH, Hyderabad.

    3. Participated in the 119th Orientation/Refresher Course organized from 9th to 14th February 2012 organized by the university Training and Orientation Centre, Andhra University, Visakapatnam, held at S.K. University, Ananthapuramu.

    4. Participated in Four Weeks UGC sponsored Orientation Course General-II from 25th February 2008 to 22nd March 2008 at JNTU, Hyderabad.

WEBINARS

- *Attended*

    1. Participated in the Webinar on "Impact of COVID-19 on the development of Rural Economy – Challenges and Opportunities" on the 27th of July 2020. organized by LEAD INDIUA Foundation and JNTUA, Ananthapuram.

    2. Participated in the 5 day Webinar on "Mathematical Perspectives on Computational Science and Engineering," from 6th to 10th July 2020 organized by Department of Mathematics, MSRIT, Bangalore.

PROFESSIONAL SOCIETY MEMBERSHIPS

- ISTE Life Member (from 2012)
- IE Life Member (from July 2012)
- IEEE Senior Member
- Computer Society of India (CSI) Life Member

CERTIFICATION PROGRAMS

1. **NPTEL**

   - Switching Circuits and Logic Design
   - Computer Organization and Architecture: A Pedagogical Aspect

GUEST LECTURERS / ACADEMIC SESSIONS

1. Delivered Guest Lecture on Digital Logic Design at SVCE, Tirupathi in 17th November 2018.
2. Delivered Guest Lecture on Computer Organization at SVCE, Tirtupathi on 8th September 2018.
3. Delivered an academic session on "Sorting & Searching" at APSCHE sponsored workshop on "C & Data Structures," held from 3rd to 8th September 2012.

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 Shri Sai 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 Gundhireddypally Village.

OTHER PROFESSIONAL SERVICES

1. Editorial Board Member, International Journal Of Advanced Research In Innovative Discoveries In Engineering And Applications (IJARIDEA).

2. Reviewer, International Research Journal of Teacher Education, Premier Publishers.

3. Reviewer and Program Committee Member, International Conference on Intelligent and Smart Computing in Data Analytics (ISCDA 2020), K L University, Guntur, Andhra Pradesh, India.

4. Reviewer, 4th International Conference on Information, Communication & Computing Technology (ICICCT-2019), organized by Jagan Institute of Management Studies, New Delhi, India.

5. Chief Guest for the International Womens Day Cellabrations at Anantha Lakshmi Instiitute of Technology & Sciences, Ananthapuramu organized on 8th March 2019.

6. 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   :   13

Awarded   :   2

NUMBER OF PG & UG PROJECTS GUIDED

B. Tech   :   20

M. Tech   :   33

MCA   :   23

PERSONAL PROFILE

Name in Full   :   Dr. Kasa Madhavi

Father's/Husband's Name   :   Mr. M. Venkata Subbaiah

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(Dr. K. Madhavi)