

Name of Faculty Dr. Ramu Kuchipudi
 Designation Associate Professor
 Nature of Job/Appointment Regular
 Date of Joining 08-06-2022
 E-mail ramukuchipudi_it@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (CSE) JNTUH, Hyderabad.	Awarded
PG	M.Tech(CN&IS)	First with Distinction
UG	B.Tech (CSE)	First

Work Experience

Teaching 21 Years
 Research 10 Years
 Industry --
 Others --

Area of Specialization Adhoc Networks, Network Security

Professional Memberships Member, IEEE, No: 97227740
 Life member ISTE No: LM 62901

Responsibilities held at Institution Level --

Responsibilities held at Department Level Course Expert Group, Member
 NAAC Criteria 7, Incharge
 NBA Criteria 7, Incharge
 AME Coordinator
 Blockchain Club, Faculty Coordinator

Research Guidance -

Awards Received -

Courses Handled at Under Graduate / Post Graduate Level. Data communications, Computer Networks, C&DS, OOP through JAVA, Operating systems, Discrete Mathematics, Computer Organization & Microprocessors, Web technologies, Information security, Computer Networks and Security, Linux Programming, Cyber Security, Blockchain Technology and Deep Learning.

No. of Papers Published National Journals – 01 International Journals – 12
 National Conference – 01 International Conference – 14

Projects Carried out Project proposal entitled Design and Development of an Elderly People Health Care System using Generative Adversarial Network Model and Wireless Sensor Network-DST-Tide Proposal Submitted.
 File Number: SEED/TIDE/2023/1140 (Applied)

Patents 1. Ramu Kuchipudi, et al "A device to track the vehicles that pass-through lanes violating the Traffic Rules", Application

number: 333867-001, Dated: 1-10-2020.

2. Ramu Kuchipudi, et al "Machine learning based approach for building corporate reputation through social media marketing efforts", Application number: 202241075661.
3. Ramu Kuchipudi, et al "Deep reinforcement learning based on path planning and tracking control of automatic parking cloud mode", Application number: 202211073449.
4. Ramu Kuchipudi, et al "An SDN architecture for separating data and control panes for efficiency in network security", Application number: 202241073689.
5. Ramu Kuchipudi, et al "Systematic approach using Artificial Intelligence and IOT based technique for accurate detection of Crop Disease", Application number: 202341001559.

Technology Transfer

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Invited Speaker

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No. of Books/Chapter Published with details

2. Ramu Kuchipudi, et al "Security Challenges and Approaches in Wireless Sensor Networks", Paperback: 73 pages, Publisher: Lap Lambert Academic Publishing (September 30, 2020), ISBN: 978-620-2-91775-9.
3. Ramu Kuchipudi, et al "An Enhanced Efficiency of Key Management method for Wireless Sensor Networks Using Mobile Agents Singapore Pte Ltd. 2019, ISSN 2194-5365, ISBN 978-981-13-1580-0.
4. Intrusion detection system using soft computing techniques in 5G communication systems, Artificial Intelligence, Blockchain, Computing and Security: Volume 1 Volume 1, Pages 574 - 5791 January 2023, ISBN: 978-100384581-2, (CRC Press)
5. Blockchain-based access control and interoperability framework for electronic health records (ANCILE) Artificial Intelligence, Blockchain, Computing and Security: Volume 1 Volume 1, Pages 574 - 5791 January 2023, ISBN: 978-100384581-2, (CRC Press)

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Training (**Attended and/or Organized**).

1. National workshop on Notable trends in Research in computer science conducted at MJCET, Banjara Hills.
2. Workshop on Embedded Hardware and software conducted at MJCET, Banjara Hills.
3. Workshop on Research Methodology conducted at JNTUH-2013.
4. Workshop on Computer Networking Tools conducted by IIT Bombay at MJCET, Banjara Hills.
5. Workshop on Pedagogy for ICT in Engineering conducted by IIT Bombay at MJCET, Banjara Hills.
6. Faculty development program on Emerging Trends in Computer Science and Engineering organized by Department of CSE at Vardhaman College of Engineering, Hyderabad.
7. Workshop on Adaptation of Technology for Teaching and Learning at Vardhaman College of Engineering, Hyderabad.
8. Workshop on Adaptation of Technology for Teaching and Learning at Vardhaman College of Engineering, Hyderabad.
9. Workshop on Teaching Methodology at VNRVJIET, Bachupally, Hyderabad from 9th may 2007 to 11th may 2007.

10. Organizing Committee Active Member of Three day workshop on Big Data Analytics atMJCET, Banjara Hills, Hyderabad, 15-17 December 2014.
11. Workshop on Introduction to Robotics at Guru Nanak Institute of Technology, Ranga Reddy, Hyderabad from 17-18 December 2019.
12. Faculty development program on Ambient Technologies: State-of-Art, Challenges, and Future Directions organized by the Department of Computer Science and Engineering &IT, Jaypee University of Information Technology, Wanknaghat-173234 (H.P.), India, from July 27, 2020 to August 8, 2020.
13. Faculty development program on Computer networks Simulation using NS2 organized by the Department of Computer Science and Engineering, MGIT in association with TASK from 10 to 14 August 2020.
14. One-week Faculty Development Programme on "Natural Language Processing" jointly organized by Electronics and ICT Academies held from January 06-10, 2020 at Vardhaman College of Engineering through National Knowledge Network under the "Scheme of financial assistance for setting up of Electronics and ICT Academies" by the Ministry of Electronics and Information Technology (MeitY), Government of India. This programme is endorsed by AICTE / UGC / NBA.
15. A Five Day Live Online Short-Term Training Program on "Recent Trends and Challenges in Computer Science & Engineering" organized by TIRUMALA ENGINEERING COLLEGE Narasaraopet, Guntur held from 5th July to 9th July 2021.
16. One week online FDP on "Big data Analytics with Spark" organized by Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad- 500 075, Telangana, INDIA., in association with Mixika Technologies during 01st – 06th February 2024.
17. One Week National Level Faculty Development Programme on "Essential Mathematics for Data Science and Machine Learning". Organized by the Department of Artificial Intelligence and Machine Learning, Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad – 500 075, Telangana, India, from 5th to 9th February 2024.

Details of Journal Publications/
Conferences (National and
International) and
International Journal from the year 2012

1. Ramu Kuchipudi, Ahmed Abdul Moiz Qyser, VVSSS Balaram "Mobile Agent Based Key Distribution Approach for Clustered Wireless Sensor Networks" AWMC Journal of Advances in Wireless and Mobile Communications, ISSN: 0973-6972 Volume 10 ,Issue No.1, (2017), pp.65-78.
2. Ramu Kuchipudi, Ahmed Abdul Moiz Qyser, VVSSS Balaram "An efficient agent based Key Distribution approach for Wireless Sensor Networks", IJARCSSE International Journal of Advanced Research in Computer Science and Software Engineering, ISSN: 2277 128X Volume 6, Issue 11, (2016), pp.105-113.
3. Ramu Kuchipudi, Ahmed Abdul Moiz Qyser, VVSSS Balaram "MASDKM: Mobile Agent Based Secure and Dynamic Key Management Scheme for Wireless Sensor Networks An efficient dynamic key distribution in Wireless Sensor Networks with reduced memory overhead" IJCST International Journal of Computer Science Trends and Technology, ISSN: 2347-8578 Volume 4, Issue No. 4, (2016),pp.375-381.
4. Ramu Kuchipudi, Jubair Basha "Key distribution approaches for Wireless Sensor Networks", International Journal of Computer Science and Information Technology (IJCSIT) Vol. 3 (1) , 2012, pp.3187 – 3190.
5. Ramu Kuchipudi, Moiz Qyser "An efficient and Polynomial based Key distribution for Wireless

- Sensor Networks”, International Journal of Engineering Science and Innovative Technology (IJESIT) Nov 2013.
6. Ramu Kuchipudi, Moiz Qyser "Notable Trends in Key distribution approaches for Wireless Sensor Networks”, International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE) Sep 2013.
 7. Ramu Kuchipudi, K.Vaishnavi "A Hamming Distance based Key distribution Scheme for Wireless Sensor Networks”, International Journal of Engineering and Computer Science and Information Technology (IJECST) Nov 2013.
 8. Ramu Kuchipudi, Moiz Qyser, V.V.S.S.S.Balaram "An efficient dynamic key distribution in Wireless Sensor Networks with reduced memory overhead”, International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT – 2016).
 9. Kotaiah Swamy Kakulla, Gouse Baig Mohammad, Ramu Kuchipudi "Predicting demographics features of the SNS by using Amalgamative Classification Algorithm” International Journal of Future Generation Communication and Networking, ISSN: 2233-7857 Volume 13, Issue No. 4, (2020), pp.275-283.
 10. Ramu Kuchipudi, Prabhakar Kandukuri, Madhuri Thimmapuram "Machine Learning Algorithm Based Prediction of Heart Stroke Chances Based on Data Provided” International Journal of Advanced Research in Engineering and Technology (IJARET) ,ISSN: 0976-6480 Volume 11, Issue No. 12, (2020), pp.2006-2019.
 11. Y. C. A. Padmanabha Reddy, S. S. R. Kasireddy, N. R. Sirisala, R. Kuchipudi and P. Kollapudi, "An efficient long short-term memory model for digital cross-language summarization,” Computers, Materials & Continua, vol. 74, no.3, pp.6389–6409, 2023.
 12. R. Kuchipudi, T. Satyanarayana Murthy and Banothu Balaji, A Comparative Study on Plant Disease Detection and Classification Using Deep Learning Approaches,” International Journal of Image, Graphics and Signal Processing (IJIGSP), vol.2, no.3, pp. 48-59, 2023.
 13. N Anil Kumar, Ramu Kuchipudi "Ontology Based Website for Job Posting and Searching” International Conference on Advanced Machine Learning and Soft Computing”(ICMLSC) published in IOP Conf. Series: Materials Science and Engineering with DOI:10.1088/1757-899X/1042/1/012006.

International /National Conferences from the year 2012

1. Ramu Kuchipudi, Ahmed Abdul Moiz Qyser, VVSSS Balaram "Energy efficient Key Distribution for Wireless Sensor Networks”, International Conference on Advanced Machine Learning and Soft Computing”(ICMLSC) published in International Journal of Engineering & Technology with DOI: 10.14419/ijet.v7i4.6.20234(2018), Volume 7, issue 4 ,pp.45-48.
2. Ramu Kuchipudi, Ahmed Abdul Moiz Qyser, VVSSS Balaram "Latest Developments on Dynamic Key Management for Dynamic Wireless Sensor Networks”, International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) published in IEEE Digital Explorer with ISBN: 978-1-4673-9939-5 (2016), pp.1119- 1124.
3. Ramu Kuchipudi, Ahmed Abdul Moiz Qyser, VVSSS Balaram "A Dynamic key distribution in Wireless Sensor Networks with reduced communication overhead”, International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) published in IEEE Digital Explorer with ISBN: 978-1-4673-9939-5 (2016),pp.3651-3654.
4. Ramu Kuchipudi, Ahmed Abdul Moiz Qyser, VVSSS Balaram "An Enhanced Efficiency of Key Management method for Wireless Sensor Networks Using Mobile Agents”, International Conference on Artificial Intelligence & Cognitive Computing” (AICC)(2018) published in Springer Advanced in Intelligent Systems and Computing with Volume 815, pp.313-322 DOI: /10.1007/978-981-13-1580-0_30.
5. Ramu Kuchipudi, Moiz Qyser, V.V.S.S.S.Balaram "An improved Bootstrapping Key Distribution approach for Wireless Sensor Networks”, National Conference on Recent Research Advancements in Information Technology(NCRRAIT-2014).
6. Ramu Kuchipudi, Moiz Qyser, V.V.S.S.S.Balaram "An efficient dynamic key distribution in Wireless Sensor Networks with reduced memory overhead”, International Conference on Electrical, Electronics, and Optimization Techniques(ICEEOT – 2016).
7. N Anil Kumar, Ramu Kuchipudi "Ontology Based Website for Job Posting and Searching” International Conference on Advanced Machine Learning and Soft Computing” (ICMLSC) published in IOP Conf. Series: Materials Science and Engineering with DOI:10.1088/1757-899X/1042/1/012006.
8. R. Kuchipudi, Dr. V S Narayana Tinnaluri¹, et., " Edge-Cloud Computing Systems for Unmanned Aerial Vehicles Capable of Optimal Work Offloading with Delay,” International Conference on Electronics and Renewable Systems (ICEARS-2023). ISBN: 979-8-3503-4663-3.
9. R. Kuchipudi, Dr.V Anitha, et., " Cybersecurity in Internet of Things networks using deep learning models,” International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2023). ISBN: 978-1-6654-5579-4.
10. R. Kuchipudi, Ramakrishnan Raman, et., " Penetration of Artificial Intelligence Techniques to Enhance the Agricultural Productivity and the Method of Farming; Opportunities and

- Challenges," 3rd International Conference on Innovative Practices in Technology and Management (ICIPTM 2023). ISBN: 979-8-3503-3623-8.
11. R. Kuchipudi, Misbah Uddin, et., " Android Malware Detection using Ensemble Learning," International Conference on Sustainable Computing and Smart Systems (ICSCSS 2023). ISBN: 979-8-3503-3359-6.
 12. R. Kuchipudi, Ashritha Konagari , et., " NFT Marketplace For Blockchain Based Digital Assets Using ERC-721 Token Standard," International Conference on Sustainable Computing and Smart Systems (ICSCSS 2023). ISBN: 979-8-3503-3359-6.
 13. R. Kuchipudi, T. Satyanarayana Murthy and Banothu Balaji, "A Comparative Study on Plant Disease Detection and Classification Using Deep Learning Approaches," International Journal of Image, Graphics and Signal Processing (IJIGSP), vol.2 , no.3, pp. 48-59, 2023.
 14. R. Kuchipudi, Ramesh Babu Palamakula, et., " Smart Assistant for Visually Impaired People", Second International Conference on Applied Artificial Intelligence and Computing (ICAAIC 2023). ISBN: 978-1-6654-5630-2.
 15. R. Kuchipudi, P.Saranya et.al, " Deep Unified Model for Face Recognition based on Convolution Neural Network and Edge Computing", the 8th International Conference on Communication and Electronics Systems (ICCES 2023) ISBN: 979-8-3503-9663-8.
 16. R. Kuchipudi, P.Saranya et.al, " Big Data Analytics with Wild Horse Optimizer based Deep Learning Model for Healthcare Management", Proceedings of the 5th International Conference on Inventive Research in Computing Applications, ICIRCA 2023, 2023, pp. 1006–1012.

