

Name of Faculty Dr. Medikonda Asha Kiran  
 Designation Assistant Professor  
 Nature of Job/Appointment Contract  
 Date of Joining 15-09-2023  
 E-mail [ashakiranm\\_aiml@cbit.ac.in](mailto:ashakiranm_aiml@cbit.ac.in)



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy National Institute of Technology, Trichy.	Awarded
PG	M.Tech. (CSE)	First with Distinction
PG	MBA (HRM)	First Class
UG	B.Tech (CSE)	First Class

**Work Experience**

Teaching	06 Years
Research	05 years
Industry	08 Years
Others	--

Area of Specialization Cryptography, IoT, Cloud Computing, Security, and Privacy.

- Professional Memberships
1. Member in International Association of Engineers (306140).
  2. Associate Member in Institute of Engineers (AM1917644).
  3. Life member Indian Society for Technical Education (LM132161).
  4. Member IEEE (95180272).
  5. Member in Association in Computing Machinery (4328557)

Responsibilities held at Institution Level

- Responsibilities held at Department Level
1. Internship Coordinator
  2. Placements Coordinator

**Awards**

- Awards Received
1. Qualified UGC NET in November 2017 as an Assistant Professor.
  2. Qualified Gate in 2018.
  3. IDRBT sponsored fellowship for Ph. D. from August 2018 to August 2023.
  4. Awarded International Travel Grant; for 4th International Conference and Workshops on Recent Advances and Innovations in Engineering (ICRAIE).IEEE, 2019, Malaysia for paper presentation.

Courses Handled at Under Graduate / Post Graduate Level.

Computer Networks  
 Cloud Technologies  
 Human-Computer Interaction  
 Advanced Computer Networks  
 Software Engineering  
 Data Communications and Computer Networks  
 Mathematical Foundations in Computer Science  
 Database Management Systems  
 Agile Software Development

No. of Papers Published	National Journals - 00	International Journals - 07
	National Conference - 00	International Conference - 03
	Patents - 01	

Details of Journal Publications/ Conferences  
(National and International)

### International Journals

1. Medikonda Asha Kiran, J. Manoranjini, Vijayalaxmi Bindla, G.V.R. Sai Lavanya, S Sowjanya .C, and Satyanarayana Nimmala. "A Study Article on Concepts, Applications and Accomplishments of Artificial Intelligence: Net App AI." Grenze International Journal of Engineering and Technology. Grenze ID: 01.GIJET.10.2.303. (2024). Scopus.
2. Marepalli Radha, Medikonda Asha Kiran, Ch Ravikumar, and K Raghavendar. "A Comparative Study of Machine Learning Models for Early Detection of Skin Cancer Using Convolutional Neural Networks" INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY, ISSN Print: 0974-6846 Electronic: 0974-5645 (2023) DOI: 10.17485/IJST/v16i45.2658. Web of Science.
3. Garlapati Narayana, Uma Devi Manchala, Usikela Naresh, Saggurthi Kiran, Medikonda Asha Kiran, and Ravi Kumar Ch. "Improving Phishing Website Detection with Machine Learning: Revealing Hidden Patterns for Better Accuracy" International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169 Volume: 11 Issue: 9 (2023), DOI: <https://doi.org/10.17762/ijritcc.v11i9.8353>. Scopus.
4. Medikonda Asha Kiran, Syam Kumar Pasupuleti, and R. Eswari. "Efficient Pairing-Free Identity-Based Signcryption Scheme for Cloud-Assisted IoT." International Journal of Cloud Applications and Computing (IJCAC), 12.1 (2022): 1-15. DOI: 10.4018/IJCAC.305216. Publisher: IGI Global. Impact Factor: 0.84. Scopus.
5. Medikonda Asha Kiran, Syam Kumar Pasupuleti, and R. Eswari. "A lightweight pairing-free ciphertext-policy attribute-based signcryption for cloud-assisted IoT." Peer-to-Peer Networking and Applications, 15.5 (2022): 2390-2403. DOI: <https://doi.org/10.1007/s12083-022-01356-x>. Publisher: Springer. Impact Factor: 4.2. SCIE.
6. Medikonda Asha Kiran and Y Sai Ram. "Neighbor Verification and Discovery in MANETs" International Journal of Computer Science and Technology, Volume 5, Issue 4, Version 1, Oct-Dec 2014.
7. Medikonda Asha Kiran and B. Poornasatyanarayana. "Analyzing the Peer-to-Peer Traffic using Cache Nodes in Wireless Sensor Networks." International Journal of Advanced and Innovative Research, Volume: 1, Issue: 5 October 2012.

### International Conferences

1. Satyanarayana Nimmala, M Ramchander, Maragoni Mahendar, Pinnapureddy Manasa, Medikonda Asha Kiran, and Bandi Rambabu. "A Recent Survey on AI Enabled Practices for Smart Agriculture," 2024 International Conference on Intelligent Systems for Cybersecurity (ISCS), Gurugram, India, 2024, pp. 1-5, DOI: 10.1109/ISCS61804.2024.10581009. (2024).
2. Medikonda Asha Kiran, Syam Kumar Pasupuleti, and R. Eswari. "A Lightweight Two-factor Mutual Authentication Scheme for Cloud-based IoT." 2019 4th International Conference and Workshops on Recent Advances and Innovations in Engineering (ICRAIE). IEEE, (2019).
3. Medikonda Asha Kiran, Yogeshwari, P., Bhavani, K.V., Ramya, T. "Biometric Authentication: A holistic Review" In: 2018 2nd International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC) I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), 2018 2nd International Conference on. pp. 428-433. IEEE (2018).

### Patents Published

1. "An Intelligent Predictive Maintenance System for Clutch Assemblies using Edge AI and Pressure Sensor Data". Application No.202441013558 A.