

PROFILE

Name	Mrs. Neelima Sahu
Position & Affiliation	Assistant Professor, Department of CSE
Areas of Interest	Internet of Things, Blockchain Technology, Cryptography, Theory of Computation
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Scopus ID	
Professional Webpage (if any)	

Educational Qualifications:

Ph.D.	Currently pursuing from VTU, Comprehensive Viva Completed.	-	-
MTech	Sree Sastha Institute of Technology, Chennai	India	2015
MCA	Indira Gandhi National Open University	India	2003
BSc.	Utkal University		

Areas of Research:

Security of IoT Devices using Blockchain technology and AIML Techniques

Brief Profile: (write about yourself)

I am currently pursuing a Ph.D. from Visvesvaraya Technological University (VTU), Belagavi, with a research focus on securing IoT devices using Blockchain Technology and AI/ML techniques. I hold an M.E. degree from Sree Sastha Institute of Technology, where I also worked on projects related to the security of Smart Grid systems. To further enhance my domain expertise, I completed a Professional Certificate Course from IIT Kanpur in 2024. I qualified the UGC-NET examination in 2021 and bring 15 years of teaching experience, with strong subject knowledge in the Internet of Things, Blockchain Technology, and Automata Theory.

Awards/Achievements/Others:	
- Completed a Professional Certificate Course in Blockchain Technology from IIT Kanpur in 2024. - Qualified UGC-NET examination in 2021. - Successful completed NPTEL Online Certification Course in Internet of Things with a consolidated score of 90%. From Jan-Apr 2024.	
Courses Taught:	
Blockchain Technology, Internet of Things, Automata Theory Computations, Operating Systems	
Publications/Patents:	
Publications	- Secure Privacy-preserving Resolution Adaptive Data Sharing in Hybrid Blockchain Controlled Medical IOT Environment, Indexing, DOI: 10.22266/ijies2025.0229.89,2025, International Journal of Intelligent Engineering and Systems, Vol.18, No.1, 2025 - Published a research paper entitled “Ensuring Security and privacy in Vehicular Edge Computing with Blockchain and Deep Deterministic Policy Gradient” in the Scopus NeuroQuant ology Journal on September 2022 Volume 20, Issue 9 Page 6009-6020 doi:10.14704/nq.2022.20.9. NQ44700. - Published a research paper entitled 'A Self-regulatory Personal Assistant for a Smart Home' in the International Journal of Scientific Research in Computer Science, Engineering, and Information Technology (IJSRCSEIT), Volume 4, Issue 7, September-October 2019 with Scientific Journal Impact Factor=4.032Online ISSN 2456-3307UGC Journal No: 64718. - Published a paper in the international conference on ‘INIT 2K17’ titled “A Dynamic Three Stage Security for Smart Grid Network Using ECC organized by St. Claret College and Computer Society of India, on February 18, 2017. - Published a paper in the Journal of Oriental Research Madras entitled “Overview of Artificial Intelligence in Software Engineering: Current Scenario and Opportunities in future” on April 2021 with ISSN 0022-3301. - Published a paper in the Journal of Oriental Research Madras entitled “Quantum Cryptography with magiq Technology” on April 2021 with ISSN 0022-3301.
Patents	MY-SR NEXT GEN AUTOMATED GAS SAFETY SYSTEM USING IOT Patent No. 202441058500 A Filed 2024-08-01 Published 2024-08-09

Book/Book Chapters	
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Research and Consultancy: