SETHU INSTITUTE OF TECHNOLOGY
(An Autonomous Institution| Accredited with 'A++' Grade by NAAC)
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Department of Electronics and Communication Engineering

Name	M.Sheik Dawood			
Date of Birth	20.05.1975			
Unique ID	1-7371460260			
Educational Qualifications	B.E.,M.E, Ph.D.			
Designation	Professor			
Email ID	sheikdawood@sethu.ac.in			
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Experience	Industry	Teaching	Others	Total
		26 Years		26 Years
Date of Joining the Institution	12.07.1999			
Area of Specialization	Wireless Sensor Network			

Courses taught	Sensors for IoT Blockchain Technology Wireless Sensor Networks Wireless Communication 5G Technology Advanced Wireless Techniques Analog Communication Digital Communication Computer Communication Satellite Communication Telecommunication Systems Measurement and instrumentation Signal processing and telemetry Professional Ethics Electronic Circuits Data Communication Internet of Things and applications Sensors and Transducers Advanced Communication Systems Electron Devices and Circuits Telecommunication Switching Systems Advanced Wireless Sensor Networks

Research Focus	IoT and Networks		
Research guidance (Number of Scholars)			
Subject Competency	Wireless Sensor Networks Wireless Communication Internet of Things and applications		
No. of papers published	National Journals	International Journals	Conferences
		40	12
PG Specialization	Digital Communication and Network		
Ph.D. Specialization	Wireless Sensor Networks		
Projects Carried out	1. Biopolymer for Eco-Friendly Bags		
Patents (Filed & Granted)	Granted:02		
Technology Transfer	Involved in facilitating technology transfer through the guidance of student projects and research with practical and commercial potential. Coordinating with industries for collaboration and transforming research outcomes into usable technologies.		
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	01- ARTIFICIAL INTELLIGENCE, rchubpublisher,ISBN: 978-81-986263-1-8,2025		

Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E	ECE	University of Madras	1998
PG	M.E	DCN(Digital Communication and Network)	Madurai Kamaraj University	2002
Ph.D.	Ph.D	Wireless Sensor Network	Anna University	2015

Details of Journal Publication:

1. Sheik Dawood, M. (2025). Hybrid Archimedes and Arithmetic Optimization Algorithm for Cluster Head Selection and Multipath Routing in Wireless Sensor Network. International Journal of Communication Systems. https://doi.org/10.1002/dac.6100
2. Karthick, R., Dawood, M. S., & Meenalochini, P. (2023). Analysis of vital signs using remote photoplethysmography (RPPG). Journal of Ambient Intelligence and Humanized Computing, 14, 16729–16736. https://doi.org/10.1007/s12652-023-04582-4
3. Sheik Dawood, M. (2021). ADHAAR: A reliable Data Hiding technique with (NNP2) Algorithmic Approach using X-ray images. 3C Tecnología. Glosas de innovación aplicadas a la pyme, Special Issue 8, 597–609. https://doi.org/10.17993/3ctecno.2021.specialissue8.597-609
4. Sheik Dawood, M. (2021, September). Effect on lotus leaf for dielectric applications. Materials Today: Proceedings. https://doi.org/10.1016/j.matpr.2021.08.224
5. Sheik Dawood, M. (2021). Design of rectenna for wireless sensor networks. Materials Today: Proceedings.
6. Sheik Dawood, M. (2021). Efficient model for IoT based railway crack detection system. Materials Today: Proceedings.
7. Sheik Dawood, M. (2020, June). Fuzzy based Regional Thresholding for Cyst Segmentation in Dental Radiographs. In 2020 4th International Conference on Intelligent Computing and Control Systems (ICICCS) (pp. 1234–1239). IEEE. https://doi.org/10.1109/iciccs48265.2020.9121104
8. Sheik Dawood, M. (2020). A Geographical Review: Novel Coronavirus (COVID-19) Pandemic. Asian Journal of Applied Science and Technology (AJAST), 4(2). https://doi.org/10.38177/AJAST.2020.4206
9. Sheik Dawood, M. (2020). A Novel Region Based Thresholding for Dental Cyst Extraction in Digital Dental X-Ray Images. In R. Chaki et al. (Eds.), New Trends in Computational Vision and Bio-inspired Computing (pp. 1663–1671). Springer. https://doi.org/10.1007/978-3-030-41862-5_167

10. Sheik Dawood, M. (2020). Energy efficient distance based clustering protocol for heterogeneous wireless sensor networks. Materials Today: Proceedings.
11. Sheik Dawood, M. (2020). Performance analysis of efficient video transmission using EvalSVC, EvalVid-NT, EvalVid. Materials Today: Proceedings. https://doi.org/10.1016/j.matpr.2021.02.287
12. Sheik Dawood, M. (2020). Performance analysis of modified on-demand multicast routing protocol for MANET using non forwarding nodes. Materials Today: Proceedings.
13. Sulthana, T. A., Ulageshini, S., Sheik Dawood, M., & Sakena Benazer, S. (2020). Analysis of Pandemic COVID-19 Impact in India. Journal of Science Technology and Research (JSTAR), 1(1).
14. Sheik Dawood, M. (2019). Armored Modular and Non-Modular Vehicle: A Survey. International Journal of Engineering and Advanced Technology (IJEAT).
15. Sheik Dawood, M. (2019). Spider Web Based Effective Localization Algorithm for WSN. SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE).
16. Sheik Dawood, M. (2018). Review on Applications of Internet of Things (IoT). International Journal of Advanced Research in Computer Engineering & Technology.
17. Sheik Dawood, M. (2017). Review on Optimization Structure for Data Collection in Wireless Sensor Networks. International Journal for Research in Applied Science and Engineering Technology (IJRASET).
18. Sheik Dawood, M. (2016). Improving the Network Lifetime and Energy Conservation using Target Trail in Cluster of Mobile Sensor Networks. Asian Journal of Research in Social Sciences and Humanities.
19. Sheik Dawood, M. (2015). A Survey: For Energy Efficient Clustering Routing Protocol Using Mobile Nodes in Wireless Sensor Networks. International Journal of Advanced Information Science and Technology.
20. Sheik Dawood, M. (2015). Adaptive Modulation and Coding Techniques for Heterogeneous Mobile Wireless Sensor Networks. International Journal of Applied Engineering Research (IJAER).
21. Sheik Dawood, M. (2015). Energy Efficient Distance based Clustering Protocol for Wireless Sensor Networks. International Journal of Applied Engineering Research (IJAER).
22. Sheik Dawood, M. (2015). Energy efficient modulation coding and clustering for wireless sensor networks. International Journal of Applied Engineering Research (IJAER).
23. Sheik Dawood, M. (2015). A Novel Analysis of Terahertz Waveforms Structures with GaAlAs Based Alloy Substrate. International Journal of Modeling and Simulation for Engineering Research,April 2015, Vol-01, Issue-02, pp.:1-7
24. Sheik Dawood, M. (2014). A Survey on Energy Efficient Clustering Protocols for Wireless Sensor Network. International Journal of Computer Science and Mobile Computing.
25. Sheik Dawood, M. (2014). Performance Analysis of Gaussian Minimum Shift Keying (GMSK) With Error Control Codes in Wireless Sensor Networks. International Journal of Computer Science and Information Technologies.

26. Sheik Dawood, M. (2014). Performance analysis of MSK modulation and coding in QoS enhanced base station controlled dynamic clustering protocol. Research Journal of Applied Sciences, 9(6), 320–328. https://doi.org/10.3923/rjasci.2014.320.328
27. Sheik Dawood, M. (2013). A review on energy efficient modulation and coding techniques for clustered wireless sensor networks. International Journal of Advanced Research in Computer Engineering & Technology (IJARCET).
28. Sheik Dawood, M. (2013). A review on wireless sensor network protocol for disaster management. International Journal of Computer Applications Technology and Research.
29. Sheik Dawood, M. (2013). A survey on energy efficient modulation and coding techniques for wireless sensor networks. Journal of Global Research in Computer Science.
30. Sheik Dawood, M. (2013). Performance analysis of modulation and coding to maximize the lifetime of wireless sensor network. International Review on Computers and Software, 8(9), 3205–3211.
31. Sheik Dawood, M. (2013). Performance analysis of MSK modulation and coding in energy efficient sensor network protocol. Journal of Theoretical and Applied Information Technology, 52(1), 90–97.
32. Sheik Dawood, M. (2012). Energy Efficient Modulation Techniques for Fault Tolerant Two-Tiered Wireless Sensor Networks. Journal of Asian Scientific Research.
33. Sheik Dawood, M. (2012). Image Compression in Wireless Sensor Networks - A Survey. International Journal of Applied Information Systems, 3(2).
34. Sheik Dawood, M. (2012). Magnetic Property Study of Nickel Cerium Substituted Zinc Ferrite Nano Particles. International Journal of Computer Applications.
35. Sheik Dawood, M. (2012). Study of Energy Efficient Clustering Algorithm for Wireless Sensor Networks. International Journal of Emerging Research in Management & Technology.
36. Sheik Dawood, M. (2012). WCA for Energy Saving Cluster Head Election in QoS Enhanced Base Station Controlled Dynamic Clustering Protocol. International Journal of Advanced Research in Computer Science.
37. Sheik Dawood, M. (2012). Magnetic Properties of Nano Crystalline Nickel, Cerium doped Zinc Ferrite. International Journal of Nanotechnology and Nano Science.
38. Sheik Dawood, M. (2011). A modified node selection scheme for cooperative wireless networks. International Journal of Computer Applications.
39. Sheik Dawood, M. (2011). Energy efficient wireless sensor networks based on QoS enhanced base station controlled dynamic clustering protocol. International Journal of Computer Applications.
40. Sheik Dawood, M. (2011). Magnetic Properties of Nano Crystalline Nickel, Samarium doped Zinc Ferrite. EMU Journal

Details of Conference attended:

1. R. Karthika Devi, Sangavi, M. Sheik Dawood, Banumathi (2018). A Novel Region based Thresholding for Cyst Extraction in Digital Dental X-Ray Images. International Conference on Computational Vision and Bio-inspired Computing (ICCVBIC), RVS Technical Campus, Coimbatore.
2. M. Sheik Dawood, R. Jeyanthi (2018). Optimized Data Collection Technique for Wireless Sensor Networks. ICTSST, Erode.
3. P. Jayalakshmi, R. Abdul Sikkandhar, M. Sheik Dawood (2014). Performance Analysis of Modified Weighted Clustering Algorithm. ICIIECS.
4. Jenifer. C, R. Abdul Sikkandhar, M. Sheik Dawood (2014). Energy Efficient Physical Layer Optimization Techniques for Wireless Sensor Networks. ICIIECS.
5. M. Yogapriya, M. Sheik Dawood (2014). Cross Layer Design for Energy Efficient Analysis of Wireless Sensor Networks. ICIIECS.
6. Arun Karthy. C, M. Sheik Dawood (2014). Energy Efficient Distance Based Clustering Protocol for Heterogeneous Wireless Sensor Networks. ICIIECS.
7. M. Sheik Dawood, N. Kaniamudham (2013). An Energy Efficient Clustering Algorithm for Heterogeneous Sensor Network. NCETiC.
8. M. Sheik Dawood, J. Suganya (2013). Disaster Management Protocol Using Wireless Sensor Network. NCETiC.
9. M. Sheik Dawood, N. Shanthasheela, R. Abdul Sikkandhar, G. Athisha (2013). Improving the Lifetime of Wireless Sensor Network by Optimizing the Physical Layer Parameter. NCETiC.
10. M. Sheik Dawood, S. Sadasivam, Vasant Naidu, G. Athisha (2007). Review on Performance of Coding Techniques in Sensor Networks. SENNET'07, VIT University.
11. S. Sadasivam, M. Sheik Dawood (2007). Node Cooperative Processing in Wireless Sensor Networks: Recent Developments and Deployment Challenges. SENNET'07, VIT University.
12. M. Sheik Dawood, M. Syed Abdul Salem, Vasant Naidu (2006). Characterization of Nickel Phthalocyanine Smart Material for Fuel Sensor and Exhaust Gases. NCCT.

Details of Book Chapter and Books Published:

1. ARTIFICIAL INTELLIGENCE, rchubpublisher,ISBN: 978-81-986263-1-8,2025

Details of Patents Filed and Granted:

1. Wearable Communication Device with Gesture-Controlled Interface
2. Modular Iot-Based Sensor Hub for Real-Time Environmental Monitoring