

FACULTY PROFILE



Name: Dr.Nitin Kumar

Designation: Assistant Professor

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Professional Qualification:

- M.Tech ,*Maharshi Dayanand University Rohtak*, Haryana, ECE,2010
- Ph.D, SRM IST NCR Campus, Modinagar, Ghaziabad, Uttar Pradesh,ECE, 2022

Publications (Journals & Conferences):

- Nitin Kumar,Vinod Kumar., Ali, T. and Ayaz, M.,” Prolong Network Lifetime in the Wireless Sensor Networks: An Improved Approach”. *Arabian Journal for Science and Engineering*, 46(4), pp.3631-3651, 2021. <https://doi.org/10.1007/s13369-020-05254-3> **(SCIE indexed, IF-2.807)**
- Nitin Kumar, Pawan Kumar Verma and Vinod Kumar. "ADV-LEACH2 Energy-Efficient Clustering Protocols for Three-Tier Heterogeneous Wireless Sensor Networks" *IEIE Transactions on Smart Processing & Computing* 11, no.1 (2022): 49-56.doi: 10.5573/IEIESPC.2021.11.1.49 **(SCOPUS indexed).**
- Megha Gupta Chaudhary , Nitin Kumar and Sushil Kumar.” Future Prospect of Plumbene: A Review” *EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy*, Vol. 08, Issue 04, pp732-739, December 2021 **(SCOPUS indexed).**
- N. Kumar, P. Rani, V. Kumar, S. V. Athawale and D. Koundal, "THWSN: Enhanced Energy-Efficient Clustering Approach for Three-Tier Heterogeneous Wireless Sensor Networks," in *IEEE Sensors Journal*, vol. 22, no. 20, pp. 20053-20062, 15 Oct.15, 2022, doi: 10.1109/JSEN.2022.3200597. **(SCIE indexed IF-4.325)**
- Nitin Kumar, Preeti Rani, Vinod Kumar, Pawan Kumar Verma, Deepika Koundal, TEECH: Three-Tier Extended Energy Efficient Clustering Hierarchy Protocol for Heterogeneous Wireless Sensor Network, *Expert Systems with Applications*, Volume 216,2023,119448,ISSN 0957-4174, <https://doi.org/10.1016/j.eswa.2022.119448>. **(SCIE indexed, IF-8.665)**
- Hussain, Naziya, Preeti Rani, Nitin Kumar, Megha Gupta Chaudhary, "A Deep Comprehensive Research Architecture, Characteristics, Challenges, Issues, and Benefits

of Routing Protocol for Vehicular Ad-Hoc Networks." *IJDST* vol.13, no.8 2022: pp.1-23. <http://doi.org/10.4018/IJDST.307900>

- Nitin Kumar, Minal, Prabhjot Kaur , Neelu Kumar “Simulation and Performance evaluation of ZigBee for wireless sensor networks having multiple events occurring simultaneously at a time” , International Conference on methods and models in science and technology, IETAN, Chandigarh,2010
- Minal, Nitin Kumar “Antenna Miniaturization Using Koch Snowflake Fractal Geometry” , International Conference on methods and models in science and technology, IETAN, Chandigarh,2010
- Nitin Kumar, Pawan Kumar Verma and Vinod Kumar. “A Comparative Study of the Energy Efficient Advanced LEACH (ADV-LEACH1) Clustering Protocols in Heterogeneous and Homogeneous Wireless Sensor Networks”. In *Cyber Security and Digital Forensics* (pp.433-444),2022.Springer,Singapore. https://doi.org/10.1007/978-981-16-3961-6_36 (**SCOPUS indexed**).
- Nitin Kumar, Pawan Kumar Verma and Vinod Kumar."An Energy-Efficient Wireless Sensor Networks Approach based on ADV-LEACH2 Clustering Protocols for Heterogeneous and Homogeneous," *2021 5th International Conference on Information Systems and Computer Networks (ISCON)*, 2021, pp. 1-6, doi: 10.1109/ISCON52037.2021.9702442. (**SCOPUS indexed**).
- Nitin Kumar, Anita Jain “Simulation and performance Analysis of Power Aware Wireless Sensor Network” MATIET 2010, University of Delhi and UGC. Delhi, 2010
- Rajesh kumar, Nitin Kumar “Comparative Analysis between Wi-fi and Wi-Max” Mobile and Embedded Technology Conference 2010, AMITY UNIVERSITY Noida, Noida 2010

Workshops/Seminars/FDPs

- FDP on Advanced security analytics and machine learning
- FDP on Multi-Disiplinary, ERUDITAIA 2018
- Saksham IT Champion training
- FDP on Entrepreneurship
- Short term Course on E-governance, Eco-preneurship and Green IT in Technical Institutions through ICT
- FDP on Paradigm Shift On Pedagogy
- Workshop on Vedic Maths
- Workshop on VLSI and Embedded system
- Introduction to Satellite Communications

Work Experience: 13 Years

Professional Memberships:

- IAENG
- IEEE