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**Current Research Interests:** Currently, Dr. Praveen Kumar's research is focused on

1. Distributed Cooperative Communication
2. Cooperative routing algorithms for Mobile Ad Hoc Wireless Network(MANETs).

Biographical Information:

Dr. D Praveen Kumar received his B.Tech, M.Tech in Electronics and Communication Engineering from Jawaharlal Nehru technological University, Hyderabad in 2006 and 2010 respectively. He was awarded Doctorate degree in Electronics and Communication Engineering at Koneru Lakshmaiah Education Foundation, Vijayawada in 2021. He started his carrier in 2006 as Assistant Professor from Vaagdevi College of Engineering. He is presently working as Assistant Professor in Department of Electronics and Communication Engineering at Vardhaman College of Engineering, Hyderabad.

Selected Publications: (Top 5 Papers)

1. Devulapalli, P.K., Pokkunuri, P.S. &Maganti, S.B. *“Energy Efficient Multi-hop Cooperative Transmission Protocol for Large Scale Mobile Ad hoc Networks”*, Wireless Personal Communications (Springer) (2021). <https://doi.org/10.1007/s11277-021-08878-2>. (Scopus+SCIE)
2. D. Praveen Kumar, Dr. P. PardhaSaradhi, *“An Efficient Cooperative Routing Algorithm for Large-Scale Wireless Networks based on Capacity and Location”*, International Journal of Communication Networks and Distributed networks, Vol 26, no. 4, pp. 446-463. (Scopus+ESCI)
3. D. Praveen Kumar, Dr. P. PardhaSaradhi, Dr. M. SushanthBabu, *“Delay Aware Hybrid Routing for Large Scale Cooperative D2D Networks”* International Journal of Intelligent Engineering and Systems (ISSN: 2185-3118), Vol.14, No.2, pp: 547-555, 2021. (Scopus Indexed)
4. D. Praveen Kumar, P. PardhaSaradhi, M. SushanthBabu, S. MadhuBabu *“Cluster Based Routing Algorithm for Large Scale Cooperative Mobile Ad hoc Networks”*, 8thInternational Conference on Computing, Communication & Sensor Networks, CCSN2019, 19th – 20th October 2019.
5. D. Praveen Kumar, Dr. M. SushanthBabu, Dr. M. S. G. Prasad *“Suboptimal Comparison of AF and DF Relaying For Fixed Target Error Probability”*, IEEE International Conference on Computer Communication and Informatics (ICCCI-2016) on Jan. 07 – 09, 2016, Coimbatore. ISBN:978-1-4673-6680-9/16

Patents Published/Granted: (Latest 2)

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On-Going Research Projects:

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