

## Dr. Raghavendra Pal



**Qualification:** B.Tech (Tezpur University, Assam), M.Tech Ph.D. (MNNIT Allahabad)

**Experience:** Fresher

**Area of Interest:** Ad hoc Networks, Wireless Communication and Networking, Digital Communication, Vehicular networks, Connected vehicles, Autonomous vehicles, Artificial Intelligence, Machine Learning.

**Subjects Taught:** Advanced Data Communication, Internetworking

### Research Publications:

1. Raghavendra Pal, Arun Prakash, and Rajeev Tripathi, "Triggered CCHI Multichannel MAC protocol for Vehicular Ad Hoc Networks," Vehicular Communications, Elsevier, Vol. 12, 2018, pp. 14–22, DOI: <https://doi.org/10.1016/j.vehcom.2018.01.007>. SCI Indexed, Impact Factor: 3.32
2. Raghavendra Pal, Nishu Gupta, Arun Prakash, and Rajeev Tripathi, "Adaptive Mobility and Range Based Clustering Dependent MAC Protocol for Vehicular Ad-hoc Networks," Wireless Personal Communications, Springer, Volume 98, 2018, pp. 1155-1170, DOI: <https://doi.org/10.1007/s11277-017-4913-9>. SCI Indexed, Impact Factor: 1.2
3. Raghavendra Pal, Arun Prakash, Rajeev Tripathi and Dhananjay Singh "Analytical model for analysis of clustered Vehicular Ad hoc Network," ICT Express, Elsevier, Vol.4, No.3, pp. 160-164, 2018. DOI: <https://doi.org/10.1016/j.ict.2018.01.001>. ESCI Indexed.
4. Pant Varun Prakash, Saumya Tripathi, Raghavendra Pal and Arun Prakash," A Slotted Multichannel MAC Protocol for fair resource allocation in VANET", IJMCMC, IGI global, Vol.9, No.3, pp.45-59, 2018. DOI: 10.4018/IJMCMC.2018070103. ESCI Indexed.
5. Raghavendra Pal, Arun Prakash, Rajeev Tripathi and Kshirasagar Naik, "A Preemptive priority and hybrid data structure based scheduling mechanism for CR-VANET", IET Communications. (Available Online). DOI: 10.1049/iet-com.2019.0574. SCI Indexed. Impact factor: 1.779
6. Singh P., Pal R., Gupta N., Clustering Based Single-hop and Multi-hop Message Dissemination Evaluation Under Varying Data Rate in Vehicular Ad-hoc Network. In: Choudhary R., Mandal J., Auluck N., Nagarajaram H. (eds) Advanced Computing and Communication Technologies. Advances in Intelligent Systems and Computing, vol 452. Springer, Singapore, 2016.
7. U. Prakash, R. Pal and N. Gupta, "Performance evaluation of IEEE 802.11p by varying data rate and node density in vehicular ad hoc network," 2015 IEEE Students Conference on Engineering and Systems (SCES), Allahabad, 2015, pp. 1-5. DOI: 10.1109/SCES.2015.7506457
8. R. Kumar, R. Pal, A. Prakash and R. Tripathi (2019), A Collective Scheduling Algorithm

for Vehicular Ad Hoc Network. In: Khare A., Tiwary U., Sethi I., Singh N. (eds) Recent Trends in Communication, Computing, and Electronics. Lecture Notes in Electrical Engineering, vol 524. Springer, Singapore. DOI: 10.1007/978-981-13-2685-1\_18.

9. A. Chandran. R. Pal, A. Prakash and R. Tripathi,” Proactive Spectrum Handoff based MAC protocol for Cognitive radio ad hoc networks”, International conference on VLSI, Communications and signal processing, MNNIT Allahabad, Nov-Dec. 2018. (Accepted and Presented)
10. A. Agarwal, R. Pal and A. Prakash, “A Scheduling Algorithm including deadline of messages in Vehicular Ad hoc Network”, International conference on VLSI, Communications and signal processing, MNNIT Allahabad, Nov-Dec. 2018. (Accepted and Presented)

**Conferences Attended:**

1. International conference on VLSI, Communications and signal processing, MNNIT Allahabad, Nov-Dec. 2018.
2. IC3E 2018, J K institute of Applied Physics, Allahabad University.
3. ICACCT 2015, Asia Pacific Institute of Information Technology, Panipat.

**Workshops/Seminars Attended:**

1. “Workshop on Network Simulation”, Department of Computer science and engineering, MNNIT Allahabad, 8<sup>th</sup> – 12<sup>th</sup> july, 2017.
2. Workshop on “Antenna Design and Signal Processing Techniques for 5G Networks and IoT (ADSPNIT - 2017)”, 27<sup>th</sup> Feb-4<sup>th</sup> March, 2017, Department of Electronics and communication Engineering, MNNIT Allahabad.
3. Workshop on “Communication & Antenna Design for IoT (CADIT-2017)”, 22 – 27<sup>th</sup> September, 2017, Department of Electronics and communication Engineering, MNNIT Allahabad.
4. One week Workshop on “Soft Skills (SS 2018)”, 21-25<sup>th</sup> May, 2018, TEQIP – III, MNNIT Allahabad.
5. 15 days industrial training on Embedded systems, 4<sup>th</sup> -18<sup>th</sup> January, 2012, Robosapiens, Noida, India.

**Achievements and positions held:**

1. Chapter Chair, Communication Society, IEEE Student Branch chapter, MNNIT Allahabad.
2. Member of editorial board, Wireless Communication Technology, Malaysia.
3. Member of Technical Committee, IC3E 2018, J K Institute of Applied Physics, Allahabad University.