

Curriculum Vitae



1. Name: Dr. Rajkishur Mudoi
2. Designation: Assistant Professor, Department of Electronics and Communication Engineering, North-Eastern Hill University, Shillong, India, 793022
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4. Mobile No: 9436304782 and Office No: 0364-2723666
5. Qualifications: B.E. (Jorhat Engineering College)
M. Tech. (Tezpur University)
Ph. D. (NEHU)
6. Member: MIE, MIETE
7. Areas of Interest/Specialization: Wireless Communication, Embedded System Design
8. Experience: 17 Years Teaching for M. Tech and B. Tech courses.
9. Workshop organized: Coordinator, AICTE Training and Learning (ATAL) Faculty Development Programme on Sensors Technology from 8th February to 12th February, 2021.
10. Administrative responsibilities undertaken:
 1. Member, Board of Professional Studies, Deptt. Of IT, NEHU from 2019 to 2022
 2. Member, Board of Professional Studies, Deptt. Of ECE, NEHU from 2010 to 2016
 3. Member, School Board, School of Technology, NEHU from 2014 to 2016
 4. Coordinator, B. Tech Central Admission Committee, School of Technology, NEHU, 2017
 5. Warden, Hostel No. 17, NEHU from 2011-2013.
11. Publication/Books:
 1. **R. Mudoi** and R. Rongphar, "Performance analysis of TAS/MRC based MIMO system over K fading channels," International Journal of Systems, Control and Communications, vol. 12, no. 4, pp. 279-290, 2021.

2. **R. Mudoi**, "ASER of RQAM with MRC Receiver over Correlated Rayleigh Fading Channels," Lecture Notes in Networks and Systems, pp. 523-530, 2021.
3. **R. Mudoi** and C. Brahma, "Performance Analysis of Transmit Antenna Selection with Maximal Ratio Combining MIMO System Over Generalized- K Fading Channels," *The IUP Journal of Electrical & Electronics Engineering*, vol. XII, no. 3, pp. 45-55, July, 2019
4. C. Brahma and **R. Mudoi**, "Performance Analysis of Multiuser Maximal Ratio Combining Receiver System over Generalized- k Fading" *International Journal of Modern Electronics and Communication Engineering (IJMECE)*, vol. 7, No.-3, pp. 155-159, May. 2019.
5. H. Saikia and **R. Mudoi**, "Performance analysis of TAS/SC as well as TAS/MRC MIMO techniques under α - μ fading channels," *International Journal of Recent Technology and Engineering*, vol. 8, no. 3, pp. 3272-3277, 2019.
6. **R. Mudoi**, H. Saikia and R. Subadar, "ABER of Transmit Antenna Selection with Maximal Ratio Combining-MIMO System over Nakagami- m Fading Channels," *Journal of Communication Engineering & Systems*, Vol. 9, Issue 1, pp. 43-4, 2019
7. **R. Mudoi** and R. Subadar, "Performance Analysis of Multi User Transmit Antenna Selection Systems over TWDP Fading Channels," *Journal on Communication Engineering and Systems*, vol. 7, no. 1, pp. 22-28, Jan, 2018.
8. **R. Mudoi** and R. Subadar, "Performance Analysis of TAS/MRC Systems over $\eta - \mu$ Fading Channels with Equal Correlation," *Advances in Wireless and Mobile Communications*, vol. 10, no. 2, pp. 239-250, Jul-Dec, 2017.
9. K. Das, **R. Mudoi**, "Analysis of EEG Signals using Empirical Mode Decomposition and Support Vector Machine", *IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI-2017)*, pp. 358-362, Nov.2017.
10. **R. Mudoi** and R. Subadar, "Adaptive Transmission with Multiuser TAS /MRC Systems over Exponentially Correlated Rayleigh Fading Channels," *International Journal of Engineering and Technology (IJET)*, vol. 9, no.2, pp. 1121-1129, Apr-May, 2017.
11. K. Das, **R. Mudoi**, "Detection of Epileptic Seizure using Radius Measurement and Higher Order Moments in the EMD Domain," *International Journal of Engineering and Advanced Technology (IJEAT)*, vol. 6, Issue 4, pp. 170-174, April 2017
12. **R. Mudoi** and R. Subadar, "Outage Probability of TAS/MRC Systems over Nakagami- m Fading Channels with Correlation," *Journal of Electronic Design Technology*, vol. 07, no. 1, pp. 39-45, Jan-Apr, 2016.
13. R. Pegu and **R. Mudoi**, ".Design and Analysis of Mux-based Physical Unclonable Functions," *International Journal of Engineering Research & Technology (IJERT)*, vol. 4, Issue 05, pp. 1505-1512, May-2015

12. Papers presented in Conferences/Seminars:

1. **R. Mudoi**, "ASER of RQAM with MRC Receiver over Correlated Rayleigh Fading Channels," International Conference on Computing and Communication Systems (I3CS-2020), Department of Information Technology, NEHU, August, 2020.
2. **R. Mudoi**, H. Saikia and R. Subadar, "ABER of Transmit Antenna Selection with Maximal Ratio Combining-MIMO System over Nakagami- m Fading Channels," *National Conference on Emerging Trends and Applications in Computer Science (NCETACS - 2018)*, Department of Computer Science , St. Anthony's College, Shillong , Sep. 2018.

3. **R. Mudoï** and R. Subadar, “ABER of multiuser TAS/MRC-MIMO systems over Nakagami-*m* fading channels with equal correlation,” *International Conference on Computing and Communication Systems (I3CS'15)*, Department of Information Technology, NEHU, Apr. 2015.
 4. R. Subadar and **R. Mudoï**, “Performance of multiuser TAS/MRC-MIMO systems over Rayleigh fading channels with exponential correlation,” *in the IEEE proceedings of International Conference on Electronic Design, Computer Networks and Automated Verification (EDCAV 2015)*, NIT Meghalaya, Jan. 2015.
13. Others:
1. Delivered three invited talks entitled “*Introduction to Embedded Systems*”, “*Microcontrollers and Embedded Systems*” and “*Embedded Systems & Its Applications*” in the “Three Days National Workshop on Embedded Systems & Its Applications (ES&A-2019) organized by the Department of Electronics & Communication Engineering, North-Eastern Hill University, Shillong, Meghalaya, during 20th -22nd February, 2019.
 2. Completed the Short Term Training Programme on “*LABVIEW & MATLAB Applications in Engineering*” organized by National Institute of Technical Teachers Training and Research, Kolkata from 10.12.2018 to 21.12.2018.