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Education

Sl. No.	Degree	Year	Institute	Specialization
1	Ph.D	2024	NIT, SUrathkal	Radar Signal Processing
2	M.Tech	2008	MSRIT, Bangalore	Digital Communication Engineering
3	B.E	2006	Sridevi Institute of Technology, Tumkur	Electronics and Communication Engineering

Professional Experience

Sl. No.	Date (from-to)	Designation	Organization
1	1-1-2011	Assistant Professor	SIT, Tumkur
2	3-8-2009	Lecturer	SIT, Tumkur

(Please fill in reverse order. Current designation should be at the top)

Positions held

- Department test co-ordinator
- Department time-table co-ordinator
- Department internship co-ordinator
- Department AICTE activity co-ordinator
- Social media co-ordinator

Awards and Honors

- Protsahan III award for the journal paper titled "Multitarget Detection and Tracking by Mitigating Spot Jammer Attack in 77-GHz mm-Wave Radars: An Experimental Evaluation"

Courses Taught

Undergraduate Courses

- Real Time Systems
- Network Security
- Analog Electronic Circuits (CES-1)
- Communication Circuits (TCE42)
- Wireless Communication(TCE72)
- Digital Communication(TCE63)
- Multimedia Communication(TCPE24)
- Transmission Lines(TCE61)
- Analog Communication(5TE02)
- Signals and systems (3CES4)
- Radar Systems (TEPE04)
- Principles of Communication Systems
- Digital Communication and Coding Theory
- Ad-hoc Wireless Networks

Postgraduate Courses

- Advanced Wireless Communication

Research Areas

- Radar Signal Processing
- Wireless Communication

Journals

- Sheetal Mitra. and Kumuda D K, 2015 “Stepped Impedance Microstrip Low-Pass Filter Implementation for S-Band Application”, International Journal of Latest Trends in Engineering and Technology Vol. 5, Issue 3, May-2015, ISSN: 2278-621X.
- Kumuda D K and Usha L, “An approach for energy based secure routing protocol”, International Journal of Computer and Mathematical Science, Vol. 4, Issue 12, December-2015, ISSN 2347 – 8527.
- Shubhratha and Kumuda D K, “Performance of Empirical Mode Decomposition and Wavelet Transform in Denoising of Audio Signal”, International Journal of Industrial Electronics and Electrical Engineering, Vol. 4, Issue 6, June-2016, ISSN: 2347-6982, DOI Number - IJIEEE-IRAJ-DOI-4976, http://ijieee.org.in/volume.php?volume_id=270.
- D. K. Kumuda, G. S. Vandana, B. Pardhasaradhi, B. S. Raghavendra, P. Srihari and L. R. Cenkeramaddi, "Multitarget Detection and Tracking by Mitigating Spot Jammer Attack in 77-GHz mm-Wave Radars: An Experimental Evaluation," in *IEEE Sensors Journal*, vol. 23, no. 5, pp. 5345-5361, 1 March 2023, doi: 10.1109/JSEN.2022.3227012.

Conference Proceedings

- K R Pallavi and Kumuda D K, “Ciphony of Audio Files Using Steganography”, Second National Conference on Recent Advance in Science and Technology (NCRASET-14), 23rd May 2014
- Shubhratha and Kumuda D K, “Performance of Empirical Mode Decomposition and Wavelet Transform in Denoising of Audio Signal”, International conference on current research in Electronics, Electrical and Instrumentation on 3rd April 2016.
- Usha L and Kumuda D K, “True Time based simulation for AODV in MANET”, Seventh International conference on recent trends in Information, Telecommunication and Computing, ITC 2016, March 12th 2016, ISBN: 978-93-5260-435-7.
- Anushree T and Kumuda D K, “Spectrum Sharing Scheme between Cellular Users”, International conference on Wearable Technologies, Dayananda Sagar University, Bengaluru, 22 – 23 June 2017.
- Nikitha N R, Sandhya Krishnan, and Kumuda D K, “DICOM configuration management using configuration cockpit tool”, International Journal of

Engineering Research & Technology (IJERT) ISSN: 2278-0181, Volume 6, Issue 13, NCESC - 2018 Conference Proceedings.

- S. P. Chaitra and D. K. Kumuda, "Target Detection Using Space Time Adaptive Processing," 2019 4th International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT), Bangalore, India, May 2019, pp. 910-914, DOI: 10.1109/RTEICT46194.2019.9016859.
- S. P. Chaitra and D. K. Kumuda, "Clutter Suppression Using Space Time Adaptive Processing", International Conference on Recent Engineering Technology 2019, 5th May 2019, Bengaluru, India.
- K. D. K., A. K. Shetty, P. Srihari, D. Sheshagiri, V. Mahajan and P. Joseph, "Multiple Target Detection using $\Sigma\Delta$ -STAP in the Presence of Airborne Clutter," 2021 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), Bangalore, India, 2021, pp. 1-6, doi: 10.1109/CONECCT52877.2021.9622629.
- D. K. Kumuda, P. Srihari, D. Sheshagiri, M. K. Raju and B. Pardhasaradhi, "A Mutual Interference Mitigation Algorithm for Dense On-Road Automotive Radars Scenario," 2023 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), Bangalore, India, 2023, pp. 1-6, doi: 10.1109/CONECCT57959.2023.10234787.
- D. K. Kumuda, P. Srihari, D. Sheshagiri, P. R. Kumar and B. Pardhasaradhi, "Clipping and Hampel Filtering Algorithm to Mitigate Mutual Interference for Automotive Radars," 2023 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), Bangalore, India, 2023, pp. 1-5, doi: 10.1109/CONECCT57959.2023.10234809.
- D. K. Kumuda and S. M. Sarala, "BER, Capacity and Outage probability of NOMA for 5G Wireless Communication," 2024 International Conference on Smart Systems for applications in Electrical Sciences (ICSSSES), Tumakuru, India, 2024, pp. 1-5, doi: 10.1109/ICSSSES62373.2024.10561399.
- K. D. K., M. Prerana, N. Himabindu and C. A. S., "Hybrid Beamforming for Wireless Communication System," 2025 3rd International Conference on Smart Systems for applications in Electrical Sciences (ICSSSES), Tumakuru, India, 2025, pp. 1-5, doi: 10.1109/ICSSSES64899.2025.11009513.

Book Chapters

- Narasimhamurthy K C, Kavyashree S R, Kavana K, Maithri Vaidya, and Kumuda D K, "Interactive Lab for Electronic Circuits", 16th International Conference on Remote Engineering and Virtual Instrumentation (REV2019) 03-06 February 2019, B.M.S.College of Engineering, Bengaluru, India.

Editor/ Reviewer of Journal

- IEEE Sensors journal