

BINDIMA T
Assistant Professor



Contact Details

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Professional Qualifications

B-Tech	Specialization	Electronics & Communication Engg
	Institute/University	LBS College of Engg, Kasaragode Kannur University
	Year	2002
M-Tech	Specialization	Digital Electronics
	Institute/University	Cochin University of Science & Technology
	Year	2008
PhD	Specialization	Filters and filter banks
	Institute/University	National Institute of Technology
	Year	Ongoing (2014-17)

Areas of Interest

- Digital Signal Processing, Multidimensional signal processing, filter banks

Professional Experience

- 9 years teaching

Training Details (2014-15 Onwards)

Course Name	Conducted By	Sponsoring Agency	Period	No of days
AICTE Faculty Development Programme on Recent Advances in Computational Methods with Applications	IIT Roorkee	TEQUIP	30/06/14-4/07/14	1 week

Publications

Journals:

- T Bindima, E Elias, "Design and Implementation of Low Complexity Two-Dimensional Variable Digital FIR Filters Using Single-Parameter-Tunable 2D Farrow structure", IEEE Trans. on Circuits and Systems-I, 10.1109/TCSI.2017.2724767, Jul 2017.
- Bindima, E Elias, "A novel design and implementation technique for low complexity variable digital filters using multi-objective artificial bee colony optimization and a minimal spanning tree approach", Elsevier : Engineering Applications of Artificial Intelligence, vol. 59, 133-147, March 2017.
- T Bindima, Elizabeth Elias, "Design of efficient circularly symmetric two-dimensional variable digital FIR filters", Elsevier : Journal of Advanced Research, vol. 7, no. 3, pp 336-347, May 2016.

Conferences:

- T. Bindima, M. Manuel and E. Elias, "An efficient transformation for two dimensional circularly symmetric wideband FIR filters," 2016 IEEE Region 10 Conference (TENCON), Singapore, 2016, pp. 2838-2841. doi: 10.1109/TENCON.2016.7848561.
- U K Shahanas, T Bindima and Elizabeth Elias, "Design of Reconfigurable Directional Filters Using McClellan Transformation and Spectral Approximation in 2D Space," The 30th Annual IEEE Canadian conference on Electrical and Computer Engineering, CCECE 2017, Windsor, Ontario, Canada.