


Title	Dr	First Name	R.B.	Last Name	Yadav	
Designation		Associate Professor				
Dept. Name		Electronics and Communication Engineering				
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Email		1. rbyitbhu@gmail.com 2. rby_dp@rediffmail.com		3. rby09fec@gbpec.ac.in 4. rby_dp@yahoo.com		
Web Page (if any)						
Subjects Taught		Digital Signal Processing Digital Image Processing and Applications Pattern Recognitions Machine Learning and its Applications Computer Vision Signal and Systems				
Areas of Interest/Specialization		Signal/Image Processing and Medical Imaging				
Experience (in years)		Total	15			
		Industry	--			
		Teaching	12			
		Research	03			
Educational Qualifications		UG	B.Tech (ECE)			
		PG	M.Tech (DSP)			
		Doctorate	Ph.D (IIT-BHU)			
		Any other	--			
Research Publications in Journals		<p>[1]. Yadav RB, Srivastava S, Srivastava R. A partial differential equation-based general framework adapted to Rayleigh's, Rician's and Gaussian's distributed noise for restoration and enhancement of magnetic resonance image. J Med Phys 2016;41:254-65. [ESCI & SCOPUS Index]</p> <p>[2]. Yadav, R.B., Srivastava, S. and Srivastava, R. (2017) 'Modified complex diffusion based nonlinear filter for restoration and enhancement of magnetic resonance images', Int. J.Biomedical Engineering and Technology, Vol. 23, No. 1, pp.19– 37.[ESCI & SCOPUS Index]</p> <p>[3]. Yadav, R.B., Srivastava, S.and Srivastava, R. (2017) 'Identification and</p>				

	<p>removal of different categories of noises from magnetic resonance image using hybrid partial differential equation-based filter’, <i>Int. J. Digital Signals and Smart Systems</i>, Vol. 1, No. 2, pp.87-98.</p> <p>[4]. Jha, B., Yadav, B., Rao, M., & Yadav, H. (2013). Selection of optimal mother wavelet for fault detection using Discrete Wavelet Transform. <i>International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering</i> Vol. 2, Issue 6, June 2013, pp.2338-44, ISSN (Online): 2278 – 8875.</p> <p>[5]. Yadav, R.B., Singh, M., (2020) ‘An Efficient Fourth Order PDE-Based Nonlinear Filter Adapted to Rician Noise for Restoration and Enhancement of Magnetic Resonance Images’, <i>Int. J. CRT</i>, Vol. 8, No. 9, pp.1412-19.</p> <p>[6]. Yadav, R.B., Jalal, K., (2020) ‘Restoration And Enhancement of Multi-Oriented Text Detection And Recognition For Natural Images’, <i>Int. J. SART</i>, Vol. 6, No. 9, pp.179-84.</p>
Papers Published in Conference Proceedings	<p>[1]. Yadav, R. B., Srivastava, S., & Srivastava, R. (2016, August). Identification and removal of different noise patterns by measuring SNR value in magnetic resonance images. In <i>Contemporary Computing (IC3), 2016 Ninth International Conference on</i> (pp. 1-5). IEEE [SCOPUS Index]</p> <p>[2]. Yadav, R. B., Srivastava, S., & Srivastava, R. (2016, August). An efficient PDE-Based nonlinear filter adapted to Rician noise for restoration and enhancement of magnetic resonance images. In <i>Information Processing (IICIP), 2016 1st India International Conference on</i> (pp. 1-5). IEEE</p> <p>[3]. Truwa, Sneha. Yadav, R. B. (2018, July). A Variational Approach to Reconstructing Mammogram Images Corrupted by Poisson Noise. <i>KIIT-BBSR-0654 (ICRIEECE)</i>, IEEE</p> <p>[4]. Singh, Nikhil. Yadav, R. B. (2018, July). PDE-Based Filter Adapted to Poisson Noise for Restoration and Enhancement of Computed Tomography Images. <i>KIIT-BBSR-1010 (ICRIEECE)</i>, IEEE</p> <p>[5]. Truwa, Sneha. Yadav, R. B. (2018, July). Comparing Various Filtering Techniques for Reducing Noise in MRI. <i>ITS Ghaziabad (SEEMS-2018)</i>, IEEE</p>
Books Authored/Book Volume Chapters	<p>[6]. Singh, N., & Yadav, R. B. (2022). De-Noising of Poisson Noise Corrupted CT Images by Using Modified Anisotropic Diffusion-Based PDE Filter. In <i>Advance Concepts of Image Processing and Pattern Recognition: Effective Solution for Global Challenges</i> (pp. 121-130). Singapore: Springer Singapore.</p> <p>[7]. Tiruwa, S., Yadav, R. B., & Singh, N. (2022). Poisson Noise-Adapted Total Variation-Based Filter for Restoration and Enhancement of Mammogram Images. In <i>Advance Concepts of Image Processing and Pattern Recognition: Effective Solution for Global Challenges</i> (pp. 195-202). Singapore: Springer</p>

	Singapore.		
No. of Conferences	National	Attended	Organized
		02	--
	International	05	--
Research Guidance	Awarded	UG	PG
		15	03
	Undergoing	02	--
Research Projects	Completed	--	
	Undergoing	--	
Awards & Distinctions	--		
Administrative Assignments Handled	OIC Institute Guest House Warden and Assistant Warden EAP (TEQIP-III) Coordinator		
Association with Professional Bodies	ISTE [Member Id.No:LM 89651] IEEE [Member Id.No: 94808768]		
Any other Achievements			