


Title	Dr.	First Name	Yatindra	Last Name	Kumar	
Designation	Professor					
Dept. Name	Electrical Engineering					
Address:	Department of Electrical Engineering G.B. Pant Institute of Engineering and Technology, Pauri Garhwal Uttarakhand 246194					
Phone No.	+91-9411551952					
Email	1.kyatindra@gmail.com			2.		
Web Page (if any)	https://sites.google.com/site/yatindrakumar2018/home					
Subjects Taught	Network Analysis and Synthesis (TEE-233) Signals and Systems (TEE-235) Digital Signal Processing (EEE-331) AI Techniques (EEE-528) Intelligent Systems (TEE-364)					
Areas of Interest/Specialization	Signal Processing, Biomedical Signal and Image Processing, Speech Signal Processing, Cognitive psychology, Machine Learning.					
Experience (in years)	Total	21 Years				
	Industry	NIL				
	Teaching	21 Yeas				
	Research	NIL				
Educational Qualifications	UG	B.Tech				
	PG	M.Tech				
	Doctorate	Ph.D				
	Any other					
Research Publications in Journals	<ol style="list-style-type: none"> 1. Nainwal, A., Kumar, Y., & Jha, B. (2022). Arrhythmia classification based on improved monarch butterfly optimization algorithm. <i>Journal of King Saud University-Computer and Information Sciences</i>, 34(8), 5100-5109. 2. Nainwal, A., Kumar, Y., & Jha, B. (2022). An ECG classification using DNN classifier with modified pigeon inspired optimizer. <i>Multimedia Tools and Applications</i>, 81(7), 9131-9150. 3. Malik, G. K., Kumar, Y., & Panda, M. Reduced Features with RBF-SVM for Diagnosing Multiclass Arrhythmia. <i>International Journal of Mechanical Engineering</i>, 7, 291-298 4. Malik, G. K., Yatindra, K., & Manoj, P. K. (2022). Multiclass arrhythmia 					

	<p>classification based on support vector machine optimized by grasshopper optimization algorithm. <i>Indian J. Comput. Sci. Eng</i>, 13(2), 525-535.</p> <ol style="list-style-type: none"> 5. Rawat, S. S., Verma, S. K., Kumar, Y., & Kumar, G. (2021). Infrared small target detection based on non-convex Lp-norm minimization. <i>J. MESA</i>, 12(4), 929-942. 6. Rawat, S. S., Verma, S. K., & Kumar, Y. (2021). Infrared small target detection based on non-convex triple tensor factorisation. <i>IET Image Processing</i>, 15(2), 556-570. 7. Kumar, P., Bhadauriya, H. S., Verma, A. R., & Kumar, Y. (2020). Design Spline Adaptive Filter with Fractional Order Adaptive Technique for ECG Signal Enhancement. <i>Augmented Human Research</i>, 5(1), 4. 8. Rawat, S. S., Verma, S. K., & Kumar, Y. (2020). Reweighted infrared patch image model for small target detection based on non-convex L_p-norm minimisation and TV regularisation. <i>IET image processing</i>, 14(9), 1937-1947. 9. Rawat, S. S., Verma, S. K., & Kumar, Y. (2020). Review on recent development in infrared small target detection algorithms. <i>Procedia Computer Science</i>, 167, 2496-2505. 10. Nainwal, A., Kumar, Y., & Jha, B. (2018). Comparative study of LVQ and BPN ECG classifier. <i>International Journal of Computational Systems Engineering</i>, 4(2-3), 140-145.
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<p>Papers Published in Conference Proceedings</p>	<ol style="list-style-type: none"> 1. P. Dhoundiyal, Y. Kumar, S. Negi and A. Barthwal, "Fault Detection and Classification in Solar Photovoltaic Array," <i>2022 IEEE Global Conference on Computing, Power and Communication Technologies (GlobConPT)</i>, New Delhi, India, 2022, pp. 1-6, 2. K Gautam, S. Kamsonliana, S. Kumar and Y. Kumar (2022) "Electrochemical Treatment of Wastewater containing Rective Blue 4 (RB 4) Dye by using Airlift Electrocoagulation and Optimization of Multivariate Parameters" in the <i>International Conference on "Technological Interventions for Sustainability (Chem-Conflux22)"</i>, Allahabad, Prayagraj India during April 14th - 16th, 2022 3. Rawat, S. S., Verma, S. K., & Kumar, Y. (2021). Infrared Small Target Detection Based on Phase Fourier Spectrum Transform. In <i>International Conference on Communication, Computing and Electronics Systems: Proceedings of ICCCES 2020</i> (pp. 693-701). Springer Singapore. 4. Nainwal, A., Kumar, Y., & Jha, B. (2021). ECG Classification Using DNN and GA Optimized Algorithm. In <i>Proceedings of Integrated Intelligence Enable Networks and Computing: IIENC 2020</i> (pp. 521-527). Springer Singapore. 5. Malik, G. K., Kumar, Y., & Panda, M. (2021). Multi-kernel SVM approach for arrhythmias classification. In <i>Proceedings of Integrated Intelligence Enable Networks and Computing: IIENC 2020</i> (pp. 733-739). Springer Singapore. 6. Rawat, S. S., Verma, S. K., & Kumar, Y. (2021). Infrared Small Target
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	Detection Based on Fractional Directional Derivative and Phase Fourier Spectrum Transform. In <i>Data Intelligence and Cognitive Informatics: Proceedings of ICDICI 2020</i> (pp. 579-591). Springer Singapore.		
Books Authored/Book Volume Chapters	1. Jha, B, Panda M., and Kumar Y. "Online-based approach for frequency control of microgrid using biologically inspired intelligent controller." <i>Sustainable Developments by Artificial Intelligence and Machine Learning for Renewable Energies</i> . Elsevier, 2022. 131-148.		
No. of Conferences	National	Attended	Organized
		-	-
	International	-	-
Research Guidance	Awarded	PG	Doctorate
		05	04
	Undergoing	-	01
Research Projects	Completed	NIL	
	Undergoing	NIL	
Awards & Distinctions			
Administrative Assignments Handled	<ul style="list-style-type: none"> • Dean Student Welfare (DSW) • HOD Electrical Engineering Department • Nodal Officer PMSSS • Nodal Officer NSP Portal • Member of Governing Council GBPIET Pauri Garhwal Uttarkhand • Nodal Officer Virtual Lab • Vice President Alumni Association GBPEC • Examination Controller 		
Association with Professional Bodies	IEEE	9260343	
	IAENG	105562	
	ISTE	LM129191	
Any other Achievements			