

PUBLIC

	Nabin Kumar Naik (M.E)		
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	Designation	: Senior Assistant Professor	
	Department	: Electronics & Communication Engineering	
		(JOINED THE INSTITUTE IN 2012)	
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	RESEARCH INTERE	-	
	 Image processing, Machine Learning and Deep Learning Low Power VLSI, FPGA 		
	Academic Qualif	Academic Qualifications	
	 Ph. D. Continue (Thesis Submitted) at Sambalpur University, Burla, Odisha, India M. E (VLSI Design) Anna University, Chennai, Tamilnadu, India Teaching Experience/Industrial Experience/Research Experience 		
	Teaching Experience – 14 years+		
	Research Experience –5 years		
ATIONS	JOURNALS		
	 Naik, N. K., S analysis of d of A 100943.https Naik, N. K., Se convolutiona identification 		
	-	ournal of Agriculture and Food Research, 15, 100929. doi: rg/10.1016/j.jafr.2023.100929. (IF :3.8)	
	(2024). Mac	ubbarao, M. V., Sethy, P. K., Behera, S. K., & Panigrahi, G. R. hine learning with analysis-of-variance-based method for ce varieties. Journal of Agriculture and Food Research, 18, .8)	
	and Grading Review. Adv	ethy, P. K., & Behera, S. K. (2024). Identification, Classification, g of Crops Grain Using Computer Intelligence Techniques: A anced Computational Methods for Agri-Business g, 225-242. (SCOPUS Indexed)	
	5. Naik, N. K., (2023). Eval machine for Engineering	Sethy, P. K., Amat, Rajat., Behera, S. K., & Biswas, Preesat. uation of optimization techniques with support vector identification of dry beans, Indonesian Journal of Electrical and Computer Science,32(3).704~714. DOI:	
	•	ecs.v32.i2.pp704-714.(SCOPUS Indexed). ethy, P.K., Devi, A.G., Behera, S.K. (2023). Hybrid enhanced	
	featured Al	exNet for milled rice grain identification. Ingénierie des	

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Systèmes d'Information, Vol. 28, No. 3, pp. 663-668. https://doi.org/10.18280/isi.280315 (SCOPUS Indexed)

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CONFERENCE PAPERS PRESENTED

- Naik, N. K., Sethy, P. K., Devi, A. G., Amat, R., Behera, S. K., & Biswas, P. (2024, January). Durum Wheat Classification Using Feature Selection, Bayesian Optimization and Support Vector. In 2024 Fourth International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT) (pp. 1-6). IEEE.doi: 10.1109/ICAECT60202.2024.10468887.
- Naik, N. K., Sethy, P. K., & Behera, S. K. (2023, April). Almond Quality Assessment using Image Processing Techniques. In 2023 IEEE 8th International Conference for Convergence in Technology (I2CT) (pp. 1-4). IEEE. doi: 10.1109/I2CT57861.2023.10126476.
- Naik, N.K., Sethy, P.K., Panigrahi, M., Behera, S.K. (2023). Support Vector Machine Classifier for Wheat Grain Identification Based on Grid Search Optimization Technique. In: Tuba, M., Akashe, S., Joshi, A. (eds) ICT Systems and Sustainability. ICT4SD 2023. Lecture Notes in Networks and Systems, vol 765. Springer, Singapore. https://doi.org/10.1007/978-981-99-5652-4_22.(SCOPUS Indexed)
- Naik, N. K., & Sethy, P. K. (2022, November). Roasted Coffee beans Classification based on Convolutional Neural Network. In 2022 International Conference on Futuristic Technologies (INCOFT) (pp. 1-3). IEEE. doi: 10.1109/INCOFT55651.2022.10094378.

SEMINAR/WORKSHOP/FDP PARTICIPATED

- National workshop on "Embedded computer Applications" organized by Sambalpur university Institute of information Technology, Sambalpur University on 4th August 2013 at. Silicon Institute of Technology, Sambalpur.
- Workshop on "Eyebotics" on 31st March to 1st April 2013 at. Silicon Institute of Technology organized by KC Robotics& Embedded Pvt. Ltd.
- 3. Two-week ISTE workshop on "Analog Electronics" conducted by IIT, Kharagpur from 4th June to 14th June 2013 Under NMEICT at Silicon Institute of Technology, Sambalpur.
- 4. One Day workshop on "Information Security Awareness" organized by NIT Rourkela and C-DAC Hyderabad on 15th December, 2013 at Silicon Institute of Technology, Sambalpur.
- 5. One Day FDP on "Emerging Research in Applied Computer and Electronics" organized by Sambalpur University Institute of Technology, Burla on 19th April 2014.
- 6. Two-week ISTE workshop on "Control Systems" conducted by IIT, Kharagpur from 2nd December to 12th December, 2014 Under NMEICT at Silicon Institute of Technology, Sambalpur.
- 7. Two-week ISTE workshop on "Signal & Systems" conducted by IIT, Kharagpur from 2nd January to 12th January, 2014 Under NMEICT at Silicon Institute of Technology, Sambalpur.

- 8. FDP on "Soft computing Tools & its applications using MATLAB" from 8th December to 10th December at Silicon Institute of Technology, Sambalpur.
- 9. National Seminar on "Advancement in Electronics" organized by Silicon Institute of Technology in association with Youth Movement Federation of India (YMFI) on 10th January 2015.
- 10. Seminar on "Teaching Methodology" on 18th December 2015 organized by Silicon Institute of Technology, Sambalpur.
- 11. Two-week ISTE workshop on "Introduction to Design of Algorithms" conducted by IIT, Kharagpur from 25th May to 30th May 2015 Under NMEICT at Silicon Institute of Technology, Sambalpur.
- 12. FDP on "Technical Communication" from 8th January to 9th January 2016 organized by Silicon Institute of Technology, Sambalpur
- 13. Workshop Coordinator on "CMOS, Mixed Signal and Radio Frequency VLSI Design" Conducted by IIT, Kharagpur from 19th September to 23rd September, 2016.
- 14. Two-week ISTE workshop on "Electric Power System" conducted by IIT, Kharagpur from 10th July to 15th July 2017 Under NMEICT at Silicon Institute of Technology, Sambalpur.
- 15. FDP on "Train the Trainer workshop" from 21th June to 23th June 2018 by Commander Sulakshan Kumar Sharma Director March Ahead Academy Mumbai at. Silicon Institute of Technology, Sambalpur.
- 16. Nation Workshop on Nanotechnology and Embedded Systems conducted by Silicon Institute of Technology, Bhubaneswar from 27th December to 30th December 2019.
- 17. Two-Day Workshop on "Application of Signal Processing in Wireless Communication" conducted by Silicon Institute of Technology, Sambalpur from 22nd February to 23rd February 2020.
- four-day eFDP on "Role of Artificial Intelligence in future microgrid control" organized by Department of Electrical Engineering, SIT, Sambalpur from 17 June to 20 June 2020.
- four-day eFDP on "Recent Innovations & Trends in Antenna Design" organized by Department of Electronics & Communication Engineering, SIT, Sambalpur from 17th June to 20th June 2020.
- 20. TEQIP-III, BPUT, Odisha Sponsored Three-Day Short Term Training Program (STTP) on "Essential Tools and Techniques in Research Methodology" organized by Department of Electronics & Communication Engineering, SIT, Sambalpur from 11th February to 13th February 2021.
- 21. Two days workshops on "Digital Hardware Designs using HDL" organized by the Department of Electronics & Communication Engineering, SIT Sambalpur, on 20th -21th Aug 2021.
- 22. AICTE Sponsored one-week STTP on "Recent Advancements in Organic and Nanoelectronics-RAONE 21" organized by the Department of Electronics & Communication Engineering, SRM University KTR Campus, Chennai on 8th -13th Oct 2021.
- 23. FDP Programme "Machine Learning using Python through ICT" from 28th March 1st April, 2022 conducted by NITTR Chandigarh.

- 24. FDP Programme on Cryptography for Information Security organized by the Department of Computer Science Engineering, SIT Sambalpur, on 9th -13th May 2022.
- 25. 2nd One Week International Workshop on Signal Processing using Machine Learning: Applications & Hands-on (Online)", organized by the School of Electronics Engineering (SENSE), VIT-AP University, Amaravati (AP), India, technically sponsored by MathWorks, IEEE Guntur Subsection, and IEEE VIT-AP Student Branch during 31st August to 6th September, 2022
- 26. Two Week ATAL FDP AICTE Sponsored on ""Architecture Design Strategy for Signal Processing Algorithms using Approximation Techniques" organized by the Department of Electronics & Communication Engineering, SUIIT, Sambalpur University from 5th-16th December 2022.
- 27. FDP programme on "Faculty Interactive Session on Industry Expectation" organized by BPUT on 29th August 2023.
- 28. NPTEL Awareness Workshop conducted on January 6, 2024 by NPTEL, IIT Madras in association with Centre for UG & PG Studies Biju Patnaik University of Technology, Odisha