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Dr. Nilesh Bhaskarrao Bahadure

Professor

Brief Profile Dr. Nilesh Bhaskarrao Bahadure acquired a Bachelor of Engineering (BE) in Electronics Engineering from RCERT Chandrapur, Nagpur University in 2000 and a Master of Engineering (ME) in Electronic & Telecommunication Engineering from SSGMCE Shegaon, Amravati University in 2005. He has been awarded Ph.D. in “Design of Image Analysis Algorithm for Brain Tumor Detection from MR Images” by KIIT Deemed to be University, Bhubaneswar (NIRF:24, Listed in Institute of Eminence of Govt. of India).

He has more than 22 years of teaching experience. He started teaching profession as a Lecturer at GH Rasoni Polytechnic in 2001 and then as Assistant Professor at Bhilai Institute of Technology Durg in 2003 and serve BIT Trust for 16 years. Presently he is working as a **Professor in the Department of Computer Science and Engineering, GSFC University, Vadodara** (a CSR initiative of GSFC Limited, Government of Gujarat).

He has published 13 books in reputed publications such as Prentice Hall of India (PHI), Pearson Publications, BPB, Lambert Academic Publishing, Germany, Notion Press (Online), and IK International publishers. He has published 50+ research papers in various International, National conferences and journals indexed with SCI, SCIE, ESCI, Web of Science, SCImago and listed in UGC approved journals, and two patents published and a copyright. He had received full travel grant for presenting his research article in International conference at Bangkok, Thailand from Chhattisgarh Council of Science & Technology Raipur, Chhattisgarh. He is also associated as Advisory Board, Editorial Board Member and Reviewer of various SCI, SCIE, and SCOPUS indexed journals and technical program committee (TPC) member of various IEEE and Springer approved conferences.

He has completed three research projects funded by the Institution of Engineers (India) and Chhattisgarh Council of Science and Technology Raipur, Chhattisgarh, and also fetch a grant of Rs. 50 Lakhs from National Institute of Solar Energy (NISE) for Surya Mitra Skill Development Program. He has guided more than 50 students for the UG dissertation and 8 students for the PG dissertation.

Dr. Bahadure has worked as a HOD and Coordinator of ETC, EEE, and AEI for more than 10 years, Dean Research & Development, Sr. Hostel Warden, Sr. Exam Superintendent for more than 5 years, Professor in-charge for NBA and ISO, Principal Incharge and handled many more responsibilities in his career span of 22 years at BIT Durg, BIT Raipur, SGU Kolhapur, and SIT Nagpur.

He has organized more than 17 National levels STTP/Workshop, 1 state level and 1 international level workshop, 1 National level conference and 1 international level conference.

Dr. Bahadure has been pro-actively involved with professional associations and associated with various professional bodies: Life membership of Indian Society for Technical Education (ISTE), Institution of Electronics & Telecommunication Engineering (IETE), Institution of Engineers (India), Indian Science Congress Association (ISCA), Solar Energy Society of India (SESI), Indian Society for Remote Sensing (ISRS), and International Association of Engineers (IAENG). (Email: nbahadure@gmail.com)

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Google Site

<https://sites.google.com/site/nileshbbhadure/>

Google Scholar

<https://scholar.google.com/citations?user=qkbOUPYAAAAJ&hl=en>

Publications (Recent Only)

1. **Nilesh Bhaskarrao Bahadure**, Muktinath Vishwakarma, Manish P. Kurhekar, Jagdish Chandra Patni, and Prasenjeet D. Patil, "Machine Learning-based Music Classification and Recommendation System from Spotify", *International Journal of Computer Information Systems and Industrial Management Applications*, Vol. 17, 2025, pp. 143-154 (**Indexed in SCOPUS, Q3**)
2. **Nilesh Bhaskarrao Bahadure**, Sidheshwar Routray, Jagdish Chandra Patni, Nagarajan Raju, PD Patil, "BWT and Improved YOLOv7-based Classification Technique for Brain Tumor Severity Prediction", ***International Journal of Electrical and Computer Engineering***, Vol. 15, No. 1, February 2025, pp. 958-969, DOI: 10.11591/ijece.v15i1.pp958-969 (**Indexed in SCIE & SCOPUS, Q2**)
3. **Nilesh Bhaskarrao Bahadure**, Oshin Sahare, Nishant Shukla, Rohit Mandal, Jagdish Chandra Patni, Md. Khaja Mohiddin, and Pramod Pandey, "Air Quality Index Prediction for Clearer Skies Using Improved Long Short-Term Memory", ***Intelligent Decision Technologies (IOS Press)***, Vol. 19, No. 4, pp. 1-15, 2024, doi: 10.3233/IDT-240982 (**Indexed in ESCI & SCOPUS, Q3**)

4. **Nilesh Bhaskarrao Bahadure**, Ramdas Khomane, Deep Raut, Devanshu Bhagwatkar, Himanshu Bakshi, Priyanshu Bawse, Pari Nagpal, and Prasenjeet Patil “Comparative Analysis of Life Expectancy Prediction using Regression Algorithms”, **Intelligent Decision Technologies (IOS Press)**, Vol. 19, No. 4, pp. 1-15, 2024, doi: 10.3233/IDT-240983 (**Indexed in ESCI & SCOPUS, Q3**)
5. **Nilesh Bhaskarrao Bahadure**, Ramdas Khomane and Aditya Nit-tala, “Anemia Detection and Classification from Blood Samples using Data Analysis and Deep Learning”, **Automatika - Taylor and Francis**, Vol. 65, No. 3, May 2024, pp. 1163–1176. doi:10.1080/00051144.2024.2352317 (**Indexed in SCIE & SCOPUS, Q2**)
6. S. Kalyan, A. Bhosale, P.D. Patil, **Nilesh Bhaskarrao Bahadure**, “CuS/GO composite for high performance Lithium ion storage”, Elsevier - Applied Surface Science Advances, Vol. 11, October 2022, pp. 1–5. doi: <https://doi.org/10.1016/j.apsadv.2022.100285> (**Indexed in SCIE & SCOPUS, Q1**)
7. Neeta Kulkarni, Rajin M. Linus, **Nilesh Bhaskarrao Bahadure**, “A small wideband inverted L-shaped flexible antenna for sub-6 GHz 5G applications ”, Elsevier AEU - International Journal of Electronics and Communications, Vol. 159, February 2023, pp. 1–6. doi: <https://doi.org/10.1016/j.aeue.2022.154479> (**Indexed in SCIE & SCOPUS, Q2**)
8. Neeta Kulkarni, **Nilesh Bhaskarrao Bahadure**, P.D. Patil, Jayshri Kulkarni, “Flexible Interconnected 4-Port MIMO Antenna for Sub-6 GHz 5G and X Band Applications”, Elsevier AEU - International Journal of Electronics and Communications, Vol. 152, July 2022 (**Indexed in SCIE & SCOPUS, Q2**)
9. **Nilesh Bhaskarrao Bahadure**, V. Pandimurugan, A.V. Prabu, S. Rajasoundaran, D Ratna kishore and Sidheshwar Routray, “Investigation of COVID-19 symptoms using deep learning based image enhancement scheme for x-ray medical images, **International Journal of Biometrics**, Vol. 15 Nos 3-4, 2023, (**Indexed in SCOPUS & ESCI, Q3**)
10. **Nilesh Bhaskarrao Bahadure**, Prasanjeeth D Patil, and N. Raju, “MR Image Enhancement and Brain Tumor Detection using Soft Computing and BWT with Auto-Enhance Technique”, **International Journal of Biometrics**, Vol. 15 Nos 3-4, 2023, (**Indexed in SCOPUS & ESCI, Q3**)

Total Publications = 58+

(Journals=20, Conferences=21, Books=13, Book Chapters=04)

(Patents (Published)=02, Copyrights (Grant) = 01)

(National Journals/Conferences=6/7)

Education

Doctor of Philosophy (PhD)

Electronics Engineering, Kalinga Institute of Industrial Technology (KIIT) Deemed to be University (NIRF: 42, Institute of Eminence), Bhubaneswar, 2017

Master of Engineering (ME)

Electronics & Telecommunication Engineering (Specialization in Digital Electronics), SGB Amravati University, Amravati, 2005, Percentage - 66.44%

Bachelor of Engineering (BE)

Electronics Engineering, RTM Nagpur University, Nagpur, 2000, Percentage - 72.32%.

STTPs/Workshop/Conferences Organized and Attended

Organized		Attended	
National Workshops/STTPs	17	National Workshops/STTPs	7
International Workshop	1	STTP	1
International Conferences	1	International Conferences	4
National Conferences	1	National Conferences	6

Professional Membership

IEEE: Annual Member of Institute of Electrical and Electronics Engineers

ISTE: Life Member of Indian Society of Technical Education (ISTE), New Delhi

IETE: Life Member of Institution of Electronics & Telecommunication Engineering

SESI: Life Member of Solar Energy Society of India (SESI)

ISCA: Life Member of The Indian Science Congress Association (ISCA)

IE: Life Member of the Institution of Engineers (India)

ISRS: Life Member of the Indian Society for Remote Sensing

IAENG: Life Member of International Association of Engineers



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Date: January 7, 2025