

BRIEF BIODATA

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Dr. Archana Singh is a Professor in the Department of Electrical Engineering at Harcourt Butler Technical University (HBTU), Kanpur, with over two decades of distinguished experience in academia and industry. She completed her B.E. in Electrical Engineering from MNNIT Allahabad with First Division (80.3%) in 2000 and earned her Ph.D. in Power System Restructuring from Dr. A.P.J. Abdul Kalam Technical University, Lucknow in 2015. She began her professional career as a System Software Developer at Tata Technologies (India) Ltd., Pune, where she worked from 2000 to 2003, gaining valuable exposure to software development practices before transitioning into academics. Since joining HBTU in April 2003 as an Assistant Professor, she has steadily progressed to Associate Professor and is currently serving as Professor since April 2020.

Dr. Archana Singh's academic and research interests include Power System Restructuring, Deregulated Electricity Markets, Reactive Power Management, Renewable Energy Systems, Electricity Trading, and Power Exchange Mechanisms. She has taught a wide range of UG courses along with PG courses including Electrical Engineering, Network Analysis and Synthesis, Control Systems, EHVAC & DC Transmission, Electrical and Electronic Engineering Materials, Basic System Analysis, and Energy Conservation and Audit. She has authored and co-authored numerous research papers published in reputed national and international journals and conferences, with significant contributions in reactive power procurement models, electricity market reforms, renewable energy integration, and optical communication systems. She is also co-author of the book "*Electrical Engineering Materials*" published by Tata McGraw Hill (2012). She serves as a reviewer for reputed journals and international conferences and has been associated with editorial responsibilities in various academic publications.

Beyond teaching and research, she has actively contributed to University Development and Academic Administration. She has served as Member of the Proctorial Board, Assistant Superintendent in the Examination Cell, Member of the Board of Studies, Hostel Warden for more than fifteen years, NAAC Committee Member, Department Moderation Committee, Member and Purchase Committee Member, Secretary of USAC, Yoga sub-council Convener, Member of organizing committee, Acting Head of Department as assigned, Presiding Officer of Internal Complaint Committee (ICC) & President of Women Study Centre (WSC). She has been actively involved in academic audits, anti-ragging committees, Convocation Committees, Induction-programs, Ph.D. candidate selection panels, and various University-level workshops and seminars. She has participated in several FDPs, STTPs & STCs, Workshops, International Conferences and Seminar. She currently serves as the Head of the department, Presiding Officer of the Internal Complaints Committee (ICC) and President of the Women Study Centre (WSC). She has also coordinated and organized expert lectures, workshops, and technical programs under TEQIP initiatives.

Dr. Singh is a Life Member of the Indian Society for Technical Education (ISTE), an Associate Member of the Institution of Engineers (India), and a Member of IEEE. In recognition of her dedication to teaching and academic excellence, she was honored with the Ideal Teacher Award in 2023 by the District Administration, Kanpur. Also, she has received certificate of appreciation from Hon'ble Governor, U.P. at Raj Bhawan, Lucknow on 8th March, 2025. With a strong foundation in teaching, research, leadership and institutional service, she continues to contribute meaningfully to technical education, research advancement and academic governance.