Prof. Ranjan Bose
Member (Part Time)

Prof. Ranjan Bose is currently serving his second term as the Director of IIIT-Delhi. Prior to joining IIIT-Delhi, he spent over 20 years at IIT Delhi in the Department of Electrical Engineering, where he held the prestigious Microsoft Chair Professor position for 8 years. He has also served as the Head of the Bharti School of Telecom Technology and Management and the founding Head of the Center of Excellence in Cyber Systems and Information Assurance at IIT Delhi.

Prof. Bose received his B.Tech. degree in Electrical Engineering from IIT Kanpur, and M.S. and Ph.D. degrees in Electrical Engineering from the University of Pennsylvania, Philadelphia, USA. He gained industry experience at Alliance Semiconductor in San Jose, USA, before embarking on his academic career at IIT Delhi.

Prof. Bose has published over 70 refereed journal papers, 102 conference papers, and holds 13 patents (including 8 granted Indian patents, 1 granted US patent, 1 granted European patent). He has supervised 18 doctoral students and managed sponsored projects valued at over Rs. 370 crore. He has been listed in the top 2% of scientists worldwide for three consecutive years according to the Stanford University database. His international research collaborations span five universities in the US, Germany, Japan, Norway, and Estonia. Additionally, he is the Principal Investigator for the Technology Innovation Hub at IIIT- D, which has a financial outlay of Rs. 100 crore and focuses on deep-tech startups.

He is the author of the widely recognized book "Information Theory, Coding and Cryptography" (3rd Ed.), which has over 260 citations, an international edition, and translations into Chinese and Korean. Prof. Bose also co-founded Virtual wire Technologies, a faculty-student startup at IIT Delhi. Prof. Bose is the national coordinator for the Ministry of Education's Mission Project on Virtual Labs, which enables students across India to perform laboratory experiments remotely. This project has seen over 12 million usages and has established 1600 nodal centers nationally. His contributions extend to the National Program on Technology Enhanced Learning (NPTEL) and the National Pedagogy Project, with his NPTEL course on Wireless Communications garnering over 2,000,000 cumulative views. He has served on the editorial boards of IEEE Access and Computers & Security (Elsevier), and was the Editor-in-Chief of the IETE Journal of Education.

Prof. Bose holds several significant positions, including on the Board of Governors of IIIT Guwahati, Governing Council of SETS, Governing Council of CRIS, Chairman of the Search Committee for Director DIA-CoE at IIT Kharagpur, member (PT) TRAI, and member of the Search cum Selection Committee for Director of IIIT Una. He has served on numerous reputed committees such as the Security Advisory Board of GSTN,the IDEA steering committee, the Technology Advisory Group of Empowered Technology Group of the Office of the PSA, the CII National Committee on R&D & Innovation, and the Delhi Knowledge and Development Fund (DKDF). His expertise has been sought as a Domain Expert for DRDO, SAG, NATGRID, Delhi Police, and BPR&D, and he has served as a Jury Member for the Dataquest ICT Business Awards in 2023 and 2024. He is also on the Board of Directors of Delhi Research Implementation and Innovation (DRIIV), a Section 8 company supported by the Office of the PSA.

Prof. Bose's accolades include the Dr. Vikram Sarabhai Research Award, the National Systems Gold Medal, the URSI Young Scientist Award, the INAE Young Engineers Award, the AICTE Career Award for Young Teachers, and the BOYSCAST Fellowship. He is a Fellow of the IET (UK) and a Humboldt Fellow (Germany).

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