Short Bio-sketch of Prof. Raja Datta, PhD, SMIEEE, IIT Kharagpur

Raja Datta is a **Professor** in the **Department of Electronics and Electrical Communication Engineering (E & ECE)** at **Indian Institute of Technology Kharagpur**. He is presently the **Head** of **Computer and Informatics Centre** at IIT Kharagpur. He was the **Head** of **G. S. Sanyal School of Telecommunications** of IIT Kharagpur from April 2018 till June 2021.

Prof. Datta is a **Senior Member** of **IEEE** and has published extensively in high impact factor Journals (that includes IEEE Transactions, IET, Elsevier, Springer, etc.) and International Conferences. He coauthored several book chapters and coedited a book on Internet of Things. He has produced several PhDs and MS students in the area of Communication Networks, Optical Networks and Ad Hoc Networks apart from guiding numerous MTech and BTech project students. His team is working in the area of routing in Inter-planetary networks for deep space communication since 2010. Currently he and his team are working on Network Slicing and dynamic deployment of SDN in 5G.

He is member of the editorial boards and reviewers of several International Journals and has handled/handles a number of projects funded by MHRD, DIT, ISRO, and Indian Railways. Prof. Datta has been the Coordinator from IIT Kharagpur of *Train Ten Thousand Teachers* (T10KT) Program under NMEICT (jointly with IIT Bombay) during 2013 to 2018. He has been consultants to several organizations including Defense Research and Development Organization (DRDO) of India and was also in the core committee for securing Indian National Museum, Kolkata. He has been associated with several Institutes and Universities as examiner, member of Academic Board, etc. He and his team have recently developed E-Classroom Software named **"DEEKSHAK"** for conducting online classes during this Pandemic.

Raja Datta was the **Chairman** of **IEEE Kharagpur Section** in 2014. He was also the Secretary and Vice-Chair of IEEE Kharagpur Section in 2012 and 2013 respectively. Apart from organizing a lot of activities, the section received the best small section award in Region 10 during his tenure as an office bearer. From 4th February 2011 till 3rd February 2021 he was the **Prof-in-charge** of the **Technology Telecom Centre (TTC)** at IIT Kharagpur. TTC houses a 6000+ line capacity telephone exchange and is responsible for installation and maintenance of the entire voice communication facilities in the campus. TTC got revamped in the last few years and has added satellite exchanges and new utility features to the telecommunication network of the campus. For the mobile communication in the campus, three new rooftop towers and a small cell were installed in 2020.

His main research interests include 5G and beyond Communication Networks, Software Defined Network (SDN), Virtual Network Functions (VNF), Vehicular Networks, Internet of Things (IoT), Delay Tolerant Networks (DTN), Deep Space Inter Planetary Networks (IPN), Mobile Networks, Elastic Optical Networks (EON) and Network Security.