

Dr. Pranesh Roy is an Assistant Professor in the Department of Civil Engineering at the Indian Institute of Technology (Indian School of Mines) (IIT-ISM) Dhanbad. He received his B.E. degree in Civil Engineering from Jadavpur University, Kolkata in 2012. He obtained his M.Tech. degree in Structural Engineering from Indian Institute of Technology (IIT), Delhi in 2014. He received his Ph.D. degree in Civil Engineering from Indian Institute of Science (IISc), Bangalore in 2019. He worked as a Postdoctoral Research Associate from 2019 to 2021 in the Aerospace and Mechanical Engineering at The University of Arizona, USA. Dr. Roy works in the broad area of theoretical and computational solid mechanics. Particularly, his research focuses on nonclassical continuum theories such as peridynamics, phase field theory, and gauge theory of solids. He has published 1 book, 12 papers in international journals, and 3 book chapters.



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Short Biography

Dr. Meenu Ramadas is an Assistant Professor (Civil Engineering) at School of Infrastructure, IIT Bhubaneswar. She got her master's degree in Water Resources and Environmental Engineering from Indian Institute of Science (IISc) Bangalore, and completed her PhD at Purdue University (USA) in 2015. She joined IIT Bhubaneswar in 2016, and teaches Hydraulics, Water Resources Engineering, Surface Hydrology, and Integrated Watershed Management subjects at undergraduate and graduate level.

Dr. Ramadas's academic research focuses on watershed hydrological modeling, hydro-meteorological drought monitoring, urban floods, climate change impact assessment, and applications of probabilistic models in water resources engineering. She is a lead-investigator in research projects sponsored by DST, SERB-IMPRINT and SPARC (Ministry of Education). Through collaborative research, she has published in reputed scientific journals in the domain of water resources systems and climate change. She and her students have presented their work in conferences organized by Indian Society of Hydraulics (ISH), Soil Water Conservation Society (SWCS), American Geophysical Union (AGU), European Geophysical Union (EGU) and American Society of Civil Engineers (ASCE). In 2016, she received the ASCE State-of-the-Art of Civil Engineering Award for the papers in the "Current and Future Challenges in Groundwater" series. In the recent years, Dr. Ramadas has collaborated with international/national experts (IISc Bangalore, IIT Hyderabad, IIT Kharagpur, Purdue University, Oregon State University, Texas A&M University and Indiana University) on topics related to climate change impacts on hydro-meteorological extremes, urban flood modeling, and food-energy-water (FEW) nexus in rural watersheds, in the context of scientific outreach (workshops and short-term courses) and research. She has also delivered lectures in few Faculty Development Programs and GIAN Short-term Courses on different topics that draw upon her research expertise.

Dr. Pavan G S completed his Ph.D. in Civil Engineering from Indian Institute of Science Bangalore in 2018, after which, he is currently now working as Assistant Professor in the Department of Civil Engineering in the Department of Civil Engineering, NIT Suratkal, Karnataka. Prior to this, he completed his B.Tech in Civil Engineering from NIT Suratkal in 2009 and in 2012 completed the M Sc (Engg) in Civil Engineering from IISc Bangalore. He also has experience working as faculty member at Shiv Nadar University, Uttar Pradesh after his PhD.

He has published several international peer-reviewed journal publications and has many conferences at national and international level.



Dr N M Anoop Krishnan completed his Ph.D. in Civil Engineering from Indian Institute of Science Bangalore in 2015, after which, he worked as a postdoctoral researcher in University of California Los Angeles from 2015 to 2017. Prior to this, he completed his B.Tech in Civil Engineering from NIT Calicut in 2009. In October 2017, he joined IIT Delhi as an Assistant Professor in the Department of Civil Engineering and heads the M3RG. He also holds a joint position as an Assistant Professor in the School of Artificial Intelligence, IIT Delhi. He has published more than 80 international peer-reviewed journal publications and has filed 3 patents. He has founded a start-up Substantial AI Pvt. Ltd., incubated at IIT Delhi, for AI-driven materials discovery and process optimisation. He has won several awards including W. A. Weyl International Glass Science Award (2022), Inspire faculty award (DST, 2017), SERB Early Career Researcher Award (2019), Gandhian Young Technology Innovation Award as Mentor (2020), INAE Young Engineer Award (2020), BRNS-DAE Young Scientist Award (2021), and NASI Young Scientist Award (2021).

