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November 27, 2018

NAME, DESIGNATION, COMPANY NAME

Prof. Rudra Pratap is the Deputy Director of the Indian Institute of Science, Bangalore. He is a Professor at the Centre for Nano Science and Engineering and an associate faculty in the Department of Mechanical Engineering at the institute. His current responsibilities include

- Infrastructure Planning for IISc as the Deputy Director
- Assisting the Director on all academic and administrative issues of the Institute
- Leading a research group of about 20 PhD scholars, postdocs, and research staff in the area of MEMS and NEMS sensors

Prof. Pratap has been working as a faculty member at IISc since 1996 when he joined the Department of Mechanical Engineering after teaching at Cornell University for almost three years. He started work in the area of Micro-Electro-Mechanical Systems (MEMS) at IISc and established the first lab in the country on MEMS in 2002. He then galvanized a large team of faculty members from different disciplines at IISc to form an interdisciplinary team to work in the area of nanoelectronics and nanoengineering. He led this team to establish the first state-of-the-art Centre for Nano Science and Engineering (CeNSE) at IISc with a world-class facility for nanofabrication and characterization. He served as the founding chairperson of CeNSE from 2010-2016. In 2015, the Centre was dedicated to the nation by Prime Minister Narendra Modi. Prof. Pratap continues to pursue his research interests in MEMS and NEMS sensors at CeNSE.

To Prof. Pratap, innovation is all about thinking differently and coming up with feasible ideas that provide a quantum jump in just about anything — a new product, utility or functionality of an existing product, processes, manufacturing, marketing, opinion building, relationships, living, or any other sphere of human activity. Innovation is about giving humanity a discernably better life today than yesterday.