

## **Prof. Sanket Goel: Bio**

Sanket Goel did his B.Sc. (Hons.) degree in physics from the Ramjas College, Delhi University, India; MSc (Physics) from IIT Delhi, India; PhD (Electrical and Computer Engineering) from University of Alberta, Canada in 1998, 2000, and 2006 respectively. Subsequently, he did his postdoc at Stanford University (2006-2008), and worked as a PI and Scientist with ASTAR, Singapore (2008- 20011). Earlier, during 2000-2001 he worked with Institute of Plasma Research, (IPR) Gandhinagar, India.

On his return to India in 2011, he led the R&D department at the University of Petroleum & Energy Studies (UPES) (2011-2015). Since 2015, he is working with BITS Pilani, India, where currently, he is the Dean and spearheads Research and Innovation related activities. He is also a Professor of Electrical and Electronics Engineering Department at Hyderabad Campus, whereby he headed the Department during 2017-2020.

He is the founding principal investigator of a multidisciplinary team of MEMS, Microfluidics and Nanoelectronics (MMNE). His team focusses on developing smart sensors and intelligent energy harvesters to realize turnkey and autonomous devices for diversified applications under several Indian and overseas funded projects. In this context, his team has developed several commercialisable prototypes on printed, wearable, and implantable devices, incorporating novel materials, optimized fabrication processes, smartphone based integrated and cyber-physical systems. Augmenting on various prototypes developed by his team, he has also co-founded 3 companies – Cleome Innovations, Pyrome Innovations and Sensome Innovations,

Sanket has won awards, like JSPS Fellowship (2021), BITS Pilani Best Faculty Award (2021), Fulbright fellowship (2015), American Electrochemical Society's Best students paper award (2005) and University of Alberta PhD thesis award (2005).

As of December 2023, Sanket Goel has >350 publications and 32 patents to his credits, has delivered >100 invited talks and guided/guiding 45 PhD students. He has also authored 4 books on Microelectronics & Signal Processing, Miniaturized Electrochemical Devices, 3D printed smart devices and Droplet & Digital Microfluidics. Currently, he is working on writing a compendium book on lab experiments for MEMS course.

He is an Associate Editor of several journals like IEEE Sensors Journal, IEEE Transactions on NanoBioscience, Applied Nanoscience, Journal of Nanobiotechnology, Microsystem Technologies, Journal of Micromechanics and Microengineering, Journal of Electrochemical Science and Engineering, and IEEE Access. He is also a Visiting Professor with UiT, The Arctic University of Norway. He is a Fellow, IETE and Fellow, IEI.