



We would like to invite you to a presentation entitled:

# **Electrochemical Impedance Spectroscopy based Detection of PCR products with metallic nanoparticle labels**



on Friday November 3, 2023

at 10:00 am

room no 136/U17

**Presented by: Prof. Shantanu Bhattacharya**

Shantanu Bhattacharya (Ph.D.) is GVMM chair and Professor of Mechanical Engineering at Indian Institute of Technology Kanpur. He served as Head of Design interdisciplinary program between 2017-2020 at IIT Kanpur. Prior to this, he completed his MS in Mechanical Engineering from the Texas Tech University, Lubbock, Texas, and a Ph.D. in Bioengineering from the University of Missouri, Columbia, USA. He also completed his postdoctoral training at the Birck Nanotechnology Center at the Purdue University. His main research interests are design and development of micro and nano sensors and actuation platforms, nano-energetic materials, micro and nano fabrication technologies, water remediation using visible light photocatalysis, and product design and development. He has many awards and accolades to his credit, which includes the Young Engineer Award, the Institute for Smart Structures and System Young Scientist Award, the Best Mechanical engineering design award (National Design Research Forum, IEI), fellowship from the high energetic materials institute at Australia, fellowship of the Institution of Engineers (India) and Institution of Electronics and Telecommunication Engineering (IETE), Reliance Platinum Jubilee Award from the National Academy of Sciences, Dr. R.S. Khandpur Award of IETE and Er. M.P. Baya National Award of the IEI respectively. He is a senior member of IEEE and has bagged the prestigious Abdul Kalam Technological Innovation National fellowship from the Indian National Academy of Engineering. He has guided many Ph.D. and master's students and has many international journal publications, patents, books, and conference proceedings.