



भारतीय प्रौद्योगिकी संस्थान कानपुर
Indian Institute of Technology Kanpur
Chemical Engineering

Research Scholars' Day Invited Talk 2026

Speaker	: Dr. Sandip Patil, E-Spin Nanotech Pvt. Ltd.
Title	: Dream, Innovate, Create: A Journey from Research to Entrepreneurship
Date & Time	: Saturday, April 18, 2026, 09:50 AM onwards
Venue	: Outreach Auditorium, IIT Kanpur

Abstract

Entrepreneurship in advanced materials is driven by the ability to translate scientific innovation into scalable, real-world solutions. This talk highlights the journey from Ph.D. research to a successful venture through a lab-to-market approach, where nanofiber technologies evolve from fundamental studies to commercially viable products addressing healthcare, filtration, and sustainability challenges. It emphasizes bridging the gap between laboratory discoveries and industry needs through innovation, process optimization, and strong market alignment. The focus is on developing robust products and sustainable business models around deep-tech advancements. It also underlines the importance of interdisciplinary research, customer needs-validation, and agile execution in accelerating commercialization. This talk highlights how innovation-led entrepreneurship can generate both economic value and meaningful societal impact.

About the Speaker

Dr. Sandip Patil is a noteworthy entrepreneur, technologist & motivational speaker. He is a PhD from IIT Kanpur in Chemical Engineering with more than 15 years of Industrial and research experience. His expertise and passion for nanotechnology motivated him to establish E-Spin Nanotech Pvt. Ltd. in 2010. He has authored over 25 scientific publications, some of which have been covered by international CNN U.S. edition, Mint, Wall Street Journal, and prominent Indian science newspapers. Dr. Patil is widely recognized as one of the leading entrepreneurs in nanotechnology and has successfully pioneered the application of nanofiber-based reusable and antibacterial/viral SWASA-N95 facemasks, a most impactful product to cope up with the COVID-19 crisis across India. He has multiple national & international patents to his name. Under his exceptional leadership, his company has made significant accomplishments over the years, which includes earning the DSIR recognition. He has earned multiple accolades for his contributions in the field of science & entrepreneurship. Dr. Patil also takes keen interest in social activism & is a key part of IIT Kanpur's Unnat Bharat Abhiyan, an organization promoting sustainable agriculture and rural development. In addition, he serves on the governing bodies of several leading institutes across the country, where he contributes to academic policymaking, curriculum development, and initiatives aimed at enhancing the quality of education and overall student development.



All are Welcome!