



Applied Materials India is proud to partner with IIT Kanpur to advance semiconductor manufacturing training and development.

DRIVING SEMICONDUCTOR GROWTH THROUGH DIGITAL INNOVATION

Join us for an exciting, hands-on session where we showcase **AppliedTwin™** – a cutting-edge digital twin platform for semiconductor equipment and processes.

What's in Store:

- » Explore our multiphysics software solutions: ACE+ and TOPO+
- » See how we solve real-world challenges in semiconductor manufacturing
- » Dive into live examples in Plasma Enhanced Chemical Vapor Deposition (PECVD) and Etching

Workshop Agenda:

- » 09:30 – 10:00 : Welcome and Inauguration
- » 10:00 – 10:40 : Overview of Fabrication Process (IITK)
- » 10:40 – 11:15 : Brief Overview of Applied Materials and AppliedTwin™ Framework
- » 11:15 – 11:30 : High Tea

Tutorial Sessions

- » 11:30 – 13:00 : Tutorial 1: Thermal CVD, PECVD
- » 13:00 – 14:00 : Lunch Break
- » 14:00 – 15:30 : Tutorial 2: Etch — Reactor Scale & Feature Scale (Part 1 & 2)
- » 15:30 – 16:00 : Valedictory Session



January 31st, 2026



09:30 AM onwards



Computer Lab 204H, Diamond Jubilee Academic Complex (DJAC), IIT Kanpur

Workshop Convenor

Prof. Anish Upadhyaya
Head, ACMS

Workshop Coordinator

Prof. Anshu Gaur
MSE

Guest Speakers

(Applied Materials India)

Dr. Karthik Ramanathan

Mr. Dhritiman Kashyap

Mr. Sriharish Srinivasan

Mr. Sadanandam Namsani

Mr. G T Shivakumar

USE QR CODE TO REGISTER

Limited Seats – Sign-up by January 25th, 2026



Whether you're a student, academician, or industry professional, this is your chance to see how digital innovation is shaping the future of semiconductors.