

TRAININGS ON SEMICONDUCTOR MANUFACTURING @CeNSE, IISc Bangalore



Building India's Semiconductor
Future – From Fundamentals to
Advanced Research

EXPLORE COURSES

FOUNDATIONAL WORKSHOP - SEMICONDUCTOR MANUFACTURING

Duration: 60 Hours (**Online**)

Focus: Basics of nanofabrication, contamination control, yield, metrology, MEMS, power electronics & cleanroom practices

Outcomes:

- Understand fab processes & IC equipment
- Learn tape-out flow & yield optimization
- Grasp cleanroom design & contamination control

Who can apply: Industry professionals, faculty, academicians

ADVANCED WORKSHOP - SEMICONDUCTOR MANUFACTURING

Duration: 90 Hours (**In-Person @IISc, Bengaluru**)

Focus: Hands-on training in lithography, etching, deposition, MOSFET fabrication & advanced characterization (SEM, AFM, XRD, Raman)

Outcomes:

- Operate fabrication & characterization tools
- Gain experience in process development & research methods
- Build expertise in device-level semiconductor fabrication

Who can apply: Industry professionals, faculty, academicians

KEY HIGHLIGHTS

01 Comprehensive & Flexible Training

From fundamentals to advanced, offered in both online and in-person formats

02 Expert-led & Industry-aligned

Delivered by IISc professors and industry specialists, aligned with current job market needs

03 Hands-on Experience with World class Facilities

Access to NNfC & MNCF labs for fabrication, packaging, MEMS, and characterization

04 Career-ready Skills for Chip Mission

Equipping participants with practical knowledge to meet national workforce demand

05 Nationally recognized NSQF certification

NSQF certification ensuring compliance with industry benchmarks and quality standards

06 Academic & Industry Connect

Strong collaborations with academia and industry through joint programs, and on-campus immersion



CONTACT US

We are ready to assist you



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