భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

10th November 2026
IIT Hyderabad

Advertisement for Research Associate in the NanoX Cleanroom Facility @ IIT Hyderabad

Background: Nano-X at IIT Hyderabad is a 2000 sq. ft fabrication centre housing semiconductor manufacturing tools in a Class 10000 (1500 sq. ft) and a Class 1000 (500 sq. ft) cleanroom. The X in Nano-X stands for electronic/photonic/MEMS devices. The equipment in the Nano-X facility is used to carry out the main semiconductor processing steps, such as lithography, deposition, etching, and bonding, for research and academic purposes. IITH is seeking to hire a Research Associate. The hired staff member will report to the faculty team supervising the cleanroom facility. The details of roles and responsibilities are given below:

The link for submitting applications is https://forms.gle/Xh6guM2DV9AcpLsM9 (Please fill out the Google Form and upload your CV.) Only applications submitted through the Google Form above will be entertained.

Last Date for Applications: 20th November 2026 (Expected joining date 1st Dec 2026)

No of vacancies	01
Job Description	• Operations, troubleshooting, and user training on semiconductor process equipment, such as deposition, etching, and lithography tools, in the NanoX cleanroom. • Electrical, optical and material characterisation of semiconductor devices • Monitor process quality and develop new processes, documentation, and consumable management. • The candidate is expected to give technical inputs for research and industrial projects, and work with IITH PhD students for their nanofabrication needs.
Qualification	• At least 10 years of experience in academic/industrial R&D in technical roles involving fabrication and characterisation of electronic/MEMS/Photonic/Spintronic devices. • Should have demonstrated ability to mentor PhD students in nanofabrication and characterisation. • PhD in Electonics/Physics/Photonics/Equivalent
Preferred Knowledge/ Experience	• Knowledge of nanofabrication techniques such as deposition, etching and lithography, with hands-on experience working with the facilities is preferred. • Knowledge and hands-on experience of electrical, optical and material characterisation of semiconductor/photonic nano-devices • Working experience of epitaxial growth and characterization of HEMT/photonic devices is desirable.
Tenure	11 Months (Extendable up to a total of 3 years)
Remuneration	Emoluments will be commensurate with DST norms for Research Associate positions.

If you have any questions, email sgsingh@ee.iith.ac.in, svanjari@ee.iith.ac.in, naresh@ee.iith.ac.in and shubhadeep@ee.iith.ac.in.